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United States Department of Agriculture

MONTHLY LIST OF PUBLICATIONS

JANUARY 1943

Any five of the nontechnical publications listed herein, unless indicated "For sale only," may be obtained free upon application to the United States Department of Agriculture, Washington, D. C., as long as the Department's supply lasts. After this supply is exhausted, publications may be obtained from the Superintendent of Documents, Government Printing Office, Washington, D. C., by purchase at the prices stated herein. His office is not a part of the Department of Agriculture.

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Publications will not be sent free to foreign addresses, except when exchanges of publications are made. Foreign correspondents should apply to Superintendent of Documents, Washington, D. C., enclosing remittance.

FARMERS' BULLETINS

These bulletins discuss in nontechnical language a wide variety of subjects pertaining to the farm and farm home.

Stubble-mulch farming for soil defense. L. S. Carter and G. R. McDole, Soil Conservation Service. 24 p., illus. (F. B. 1917F.) Price 10¢.

Strip cropping for war production. Harold E. Tower and Harry H. Gardner, Soil Conservation Service. 46 p., illus. (F. B. 1919F.) Price 10¢.

Persian clover. E. A. Hollowell, Bureau of Plant Industry. 10 p., illus. (F. B. 1929F.) Price 5¢.

LEAFLETS

This series carries popular material of the same general character as that carried by the Farmers' Bulletins except that the Leaflets are confined to specific practical directions, recommendations, remedies, and methods. They are brief and concise, written in informal, popular style, and are limited to eight pages.

Blackout of poultry houses and dairy barns. M. A. R. Kelley, Bureau of Agricultural Chemistry and Engineering. 7 p., illus. (Leaf. 231L.) Price 5¢.

CIRCULARS

This series carries the less technical and more informal material of the same general nature as that in the Technical Bulletin series.

A method of estimating reduction in yield of wheat caused by hessian fly infestation. C. C. Hill, E. J. Udine, and J. S. Pinckney, Bureau of Entomology and Plant Quarantine. 10 p., illus. (Cir. 663C.) Price 5¢.

MISCELLANEOUS PUBLICATIONS

This series includes those publications of a miscellaneous nature which do not fall within any of the other series issued by the Department, particularly those of a size other than octavo. Such publications were formerly issued as Miscellaneous Circulars.

Victory gardens. Victor R. Boswell, Bureau of Plant Industry. 16 p., illus. (M. P. 483M., rev.) Price 5¢.

The fleas of North America. H. E. Ewing and Irving Fox, Bureau of Entomology and Plant Quarantine. 143 p., illus. (M. P. 500M.) Price 20¢.

Western ground waters and food production. John A. Bird, Office of Land Use Coordination, in collaboration with Bureau of Agricultural Economics. 40 p., illus. (M. P. 504M.) Price 15¢.

Vitamin values of foods in terms of common measures. Elizabeth M. Hewston and Rosemary L. Marsh, Bureau of Home Economics. 29 p. (M. P. 505M.) Price 10¢.

SOIL SURVEYS

These reports consist of two parts: (1) A soil map in colors showing the extent and distribution of the different soils in the area covered by the survey and (2) a printed report containing brief descriptions of the area, its climate and agriculture, and detailed descriptions of the soils. They are of interest and value primarily to residents of the area.

South Carolina, Sumter County. (No. 24, Series 1935.) 61 p., illus. Price 45¢.

SERVICE AND REGULATORY ANNOUNCEMENTS

Such notices of judgment, decisions and instructions as are necessary in the enforcement of regulatory acts are contained in these announcements. They are issued monthly or as necessary by certain bureaus. Free distribution is limited to persons in the employ of the Department, to public officials whose duties render it necessary for them to have such information, to journals especially concerned, and to manufacturers and firms whose business is affected by the announcements.

Bureau of Entomology and Plant Quarantine. Service and regulatory announcements. July-September 1942. Pp. 49-71. (S. R. A.-B. E. P. Q. No. 152.)¹

OTHER PUBLICATIONS

Contoured acres fight. Soil Conservation Service. [16] p.

Farm bookkeeping and the Federal income tax. Bureau of Agricultural Economics and Extension Service. 12 p.

Physical land conditions in Chariton County, Missouri. D. C. Maxwell, Soil Conservation Service. [56] p., illus. (Physical Land Survey No. 25.) Price 15¢. For sale only.

Report of the Administrator of the Agricultural Conservation and Adjustment Administration, 1942. Fred S. Wallace. 132 p. Price 15¢. Free distribution restricted.

Report of the Administrator of the Rural Electrification Administration, 1942. Harry Slattery. 19 p. Price 5¢.

Report of the Chief of the Bureau of Agricultural Chemistry and Engineering, 1942. C. F. Speh. 43 p. Price 10¢.

Report of the Director of Finance, 1942. W. A. Jump. 11 p. Price 5¢.

Report of the Secretary of Agriculture, 1942. Claude R. Wickard. 220 p. Price 25¢.

The agriculture of Cuba. P. G. Minneman, Agricultural Attaché, American Embassy, Havana, Cuba. 144 p., illus. (Foreign Agricultural Bull. 2.) Price 20¢. Free distribution restricted.

AGRICULTURAL WAR INFORMATION

An emergency series of publications which discuss in nontechnical language food production, nutrition, and related subjects pertaining to development of the Food for Freedom program.

Soybeans for oil. Agricultural Adjustment Agency. (AWI-10.) Folder.

99 ways to share the meat. Bureau of Home Economics. (AWI-13.) Folder. Price 5¢; \$1.00 per 100 copies.

Substitutes for scarce materials. (AWI-15.) 16 p. Price 5¢; \$3.75 per 100 copies.

Cheese in your meals. Bureau of Home Economics. (AWI-16.) Folder. Price 5¢; \$1.00 per 100 copies.

Serve on the farm home front. Bureau of Home Economics. (AWI-17.) Folder. Price 5¢; \$1.00 per 100 copies.

First things first. Soil Conservation Service. (AWI-22.) [6] p. Price 5¢; \$1.00 per 100 copies.

Contour farming boosts yields. Soil Conservation Service. (AWI-23.) 5 p., illus.

¹ These may be obtained from the issuing bureau.

Indicate below, by numbers IN NUMERICAL ORDER, bulletins desired. In order to assure prompt delivery detach this frank and return in stamped envelope to United States Department of Agriculture, Office of Information, Washington, D. C. List no more than five publications. If more are desired, please apply to Superintendent of Documents, Government Printing Office, Washington, D. C., enclosing remittance to cover cost of publication. Requests for change of address must show old as well as new address.

Be sure to write your name and address plainly on reverse side of this form.

Farmers' Bulletins	Leaflets	Other publications

PERIODICALS

Free distribution of periodicals is definitely restricted. They may be obtained by purchase or subscription from the Superintendent of Documents.

Agricultural situation. Vol. 26, No. 12, December 1942. Price 5¢ a copy; 50¢ a year, domestic; 70¢ a year, foreign.²

A brief general summary of current conditions, including pertinent statistics relating to production, movement, consumption, and prices of the important farm products.

Agriculture decisions. Vol 1, No. 11, November 1942. Price 15¢ a copy; \$1.50 a year.²

To make available to interested persons, in an orderly and accessible form, decisions issued under regulatory laws administered in the Department.

Agriculture in the Americas. Vol. 3, No. 1, January; No. 2, February 1943. Illus. Price 10¢ a copy; 75¢ a year, domestic; \$1.20 a year, foreign.²

This monthly publication of 16 pages is designed to present in popular style agricultural developments in the Western Hemisphere particularly as they affect the economic relations of the American Republics. The subject matter covers various phases of inter-American trade, as well as agricultural items of importance in the program for Hemisphere defense.

Experiment station record. Vol. 88, No. 2, February 1943. Price \$1 per volume (2 volumes a year) consisting of 6 monthly numbers and index; \$1.75 per volume, foreign. Single numbers for sale only. Price 15¢.²

A technical review of scientific literature pertaining to agriculture.

Extension service review. Vol. 14, No. 1, January 1943. Illus. Price 10¢ a copy; \$1.00 a year, domestic; \$1.40 a year, foreign.²

Issued monthly by the Extension Service, of which it is the official organ, for the distribution of administrative information.

Foreign agriculture. Vol. 7, No. 1, January 1943. Illus. Price 10¢ a copy; \$1.00 a year, domestic; \$1.60 a year, foreign.²

A 24-page monthly periodical containing articles on foreign government policies relating to agriculture, foreign agricultural production and international trade in agricultural products. The articles in general are the result of special research or field investigations conducted by the office staff or commodity specialists of the Office of Foreign Agricultural Relations. Designed primarily for those who are interested in following changes in foreign policies as they affect agriculture.

Journal of agricultural research. Price \$3.25 a year, domestic; \$4.75 a year, foreign. Each issued, 15¢, domestic; 20¢, foreign. Separates, 5¢, domestic; 8¢ foreign.² Not distributed free to individuals.

Of primary interest to agricultural scientists and advanced students only. Issued in 2 volumes a year of 12 numbers each. Free distribution is limited to certain libraries and to institutions or departments doing research work.

Separates. A small supply of each separate is given to the originating bureau or station for its staff, cooperators, and for such other distribution as can be made. Others interested may purchase copies from the Superintendent of Documents, Washington, D. C., at 5¢ each. The Office of Information has none for general distribution.

² Payable to the Superintendent of Documents, Government Printing Office, Washington, D. C.

U. S. DEPARTMENT OF AGRICULTURE
 OFFICE OF INFORMATION
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Journal of agricultural research. Vol. 66, No. 1. January 1, 1943. Illus. Contents:

Linkage relations of the goldfoil factor for resistance to mildew in barley. (Calif.-130.) Fred N. Briggs and Ernest H. Stanford.

Survival, weight, and location of European corn borers feeding on resistant and susceptible field corn. (K-320.) L. H. Patch.

A pythium stalk rot of corn. (G-1268.) Charlotte Elliott.

Further studies on interspecific genetic relationships in *Lactuca*. (G-1270.) Ross C. Thompson.

— Vol. 66, No. 2, January 15, 1943. Illus. Contents:

Effect of soil and peat admixtures on the growth of plants in quartz sand. (G-1280.) Philip L. Gile and Irvin C. Feustel.

Studies of some factors affecting fruit setting in *Solanum tuberosum* in the field in Louisiana. (G-1274.) M. T. Henderson and E. L. LeClerg.

Isolation of *Ceratostomella ulmi* from insects attracted to felled elm trees. (K-322.) T. H. Jones and C. S. Moses.

Deposits of insecticidal dusts and diluents on charged plates (Calif.-133.) G. F. MacLeod and Leslie M. Smith.

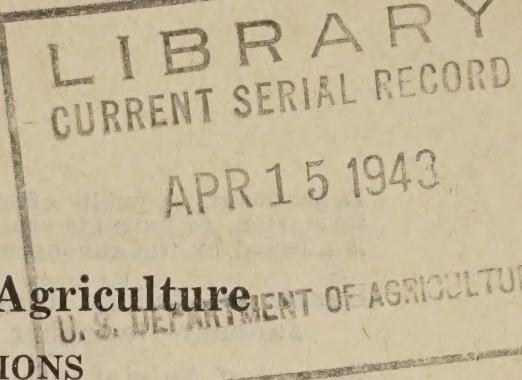
Rural electrification news. Vol. 8, No. 5, January 1943. Price 10¢ a copy; 75¢ a year, domestic; \$1.50 a year, foreign.²

Issued monthly by the Rural Electrification Administration. A summary of rural electrification activities and a clearing house for interchange of information pertaining to utilization of electric power in farm tasks.

Soil conservation. Vol. 8, No. 7, January; No. 8, February 1943. Price 10¢ a copy; \$1 a year, domestic; \$1.50 a year, foreign.²

Issued monthly by the Soil Conservation Service. Seeks to supply to workers and cooperators of the Department of Agriculture engaged in soil-conservation activities information of especial help to them in the performance of their duties.

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FARMERS' BULLETINS

These bulletins discuss in nontechnical language a wide variety of subjects pertaining to the farm and farm home.

Regrassing for soil protection in the Southwest. Evan L. Flory and Charles G. Marshall, Soil Conservation Service. 60 p., illus. (F. B. 1913F.) Price 15¢.

Preventing destructive fires in southern woodlands. Forest Service and Extension Service. 15 p., illus. (F. B. 1926F.) Price 5¢.

Hemp. B. B. Robinson, Bureau of Plant Industry. 16 p., illus. (F. B. 1935F.) Price, 5¢.

TECHNICAL BULLETINS

The Technical Bulletin series contains the results of scientific and research work applying to a special crop, industry, or locality. The editions are limited as they are intended primarily for scientific workers and subject-matter specialists.

Investigations in erosion control and reclamation of eroded land at the Red Plains Conservation Experiment Station, Guthrie, Okla., 1930-40. Harley A. Daniel, Harry M. Elwell, and Maurice B. Cox, Soil Conservation Service, in cooperation with Oklahoma Agricultural Experiment Station. 94 p., illus. (T. B. 837T.) Price 20¢.

MISCELLANEOUS PUBLICATIONS

This series includes those publications of a miscellaneous nature which do not fall within any of the other series issued by the Department, particularly those of a size other than octavo. Such publications were formerly issued as Miscellaneous Circulars.

Mending men's suits. Clarice L. Scott and Anne F. Hagood, Bureau of Home Economics. 23 p., illus. (M. P. 482M.) Price 10¢.

Forest resources of the ponderosa pine region of Washington and Oregon. R. W. Cowlin, P. A. Briegleb, and F. L. Moravets, Forest Service. 99 p., illus. (M. P. 490M.) Price 40¢.

Operating small sawmills in wartime. C. J. Telford, Forest Service. 42 p., illus. (M. P. 509M.) Price 15¢.

A graphic summary of farm crops (based largely on the Census of 1940). Bureau of Agricultural Economics. 104 p., illus. (M. P. 512M.) Price 15¢.

SERVICE AND REGULATORY ANNOUNCEMENTS

Such notices of judgment, decisions, and instructions as are necessary in the enforcement of regulatory acts are contained in these announcements. They are issued monthly or as necessary by certain bureaus. Free distribution is limited to persons in the employ of the

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Department, to public officials whose duties render it necessary for them to have such information, to journals especially concerned, and to manufacturers and firms whose business is affected by the announcements.

Bureau of Animal Industry. Service and regulatory announcements. Index, January-December 1942. Pp. 109-111. (S. R. A.-B. A. I.) Price 5¢ a copy.¹

Bureau of Animal Industry. Service and regulatory announcements. December 1942. Pp. 101-108. (S. R. A.-B. A. I. 428.) Price 5¢ a copy, 25¢ a year.¹

Notices of judgment under the Insecticide Act. Food Distribution Administration. Pp. 543-551. (N. J., I. F. 1826-1840).²

OTHER PUBLICATIONS

Agricultural statistics, 1942. Joseph A. Becker, Paul Froehlich, A. E. Brandt, H. C. Larsen, S. W. Mendum, Theodore Norman, E. O. Pollock, Fred J. Rossiter, and C. V. Whalin. 840 p. Price 75¢ (paper). For sale only.

Let's talk about milk production for a world at war. Bureau of Agricultural Economics in cooperation with Extension Service and the Bureau of Dairy Industry. Folder. (DS 22.)

Report of the Chief of the Agricultural Adjustment Agency, 1942. Fred S. Wallace. 51 p. Price 10¢.

Report of the Chief of the Soil Conservation Service, 1942. H. H. Bennett. 46 p. Price 10¢.

Report of the Manager of the Federal Crop Insurance Corporation, 1942. Leroy K. Smith. 27 p.

AGRICULTURAL WAR INFORMATION

An emergency series of publications which discuss in nontechnical language, food production, nutrition, and related subjects pertaining to development of the Food for Freedom program.

Take care of vacuum cleaners and carpet sweepers. Bureau of Home Economics. (AWI-19.) Folder. Price 5¢; \$1.00 per 100 copies.

Strip cropping for bigger yields. Soil Conservation Service. (AWI-21.) 6 p. Price 5¢; or \$3.75 per 100 copies.

Saving sweetpotatoes from black rot. L. L. Harter, Bureau of Plant Industry, and R. J. Haskell, Extension Service. (AWI-27.) Folder. Price \$1.00 per 100 copies.

Victory garden leader's handbook. (AWI-30.) 18 p., illus.

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Agricultural situation. Vol. 27, No. 1, January 1943. Price 5¢ a copy; 50¢ a year, domestic; 70¢ a year, foreign.¹

A brief general summary of current conditions, including pertinent statistics relating to production, movement, consumption, and prices of the important farm products.

Agriculture in the Americas. Vol. 3, No. 3, March 1943. Illus. Price 10¢ a copy; 75¢ a year, domestic; \$1.20 a year, foreign.¹

This monthly publication of 16 pages is designed to present in popular style agricultural developments in the Western Hemisphere particularly as they affect the economic relations of the American Republics. The subject matter covers various phases of inter-American trade, as well as agricultural items of importance in the program for Hemisphere defense.

Crops and markets. Vol. 20, No. 1, January 1943. Price 10¢ a copy; 30¢ a year, domestic; 45¢ a year, foreign.¹ Quarterly.

Statistics concerning crop and livestock estimates and market information; reports on supplies, stocks, commercial movement, conditions, and prices of agricultural products; and studies of prices and demand, both foreign and domestic.

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Foreign agriculture. Vol. 7, No. 2, February 1943. Illus. Price 10¢ a copy; \$1.00 a year, domestic; \$1.60 a year, foreign.

A 24-page monthly periodical containing articles on foreign government policies relating to agriculture, foreign agricultural production and international trade in agricultural products. The articles in general are the result of special research or field investigations conducted by the office staff or commodity specialists of the Office of Foreign Agricultural Relations. Designed primarily for those who are interested in following changes in foreign policies as they affect agriculture.

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— Vol. 66, No. 3. February 1, 1943. Illus. Contents:

Boron deficiency in garden and sugar beet (Wis.-135). J. C. Walker, James P. Jolivette, and John G. McLean.

The nutritive value of certain fish meals as determined in tests with swine and rats (Ind.-32). E. R. Barrick, C. M. Vestal, and C. L. Shrewsbury.

Fungi associated with certain ambrosia beetles (G-1271). Arthur F. Verall.

— Vol. 66, No. 4. February 15, 1943. Illus. Contents:

The effect of sorghum kernel smuts on the development of the host (Kans.-96). L. E. Melchers and E. D. Hansing.

Effect of boron deficiency on the histology of garden beet and cabbage (Wis.-136). James P. Jolivette and J. C. Walker.

Rural electrification news. Vol. 8, No. 6, February 1943. Price, 10¢ a copy; 75¢ a year, domestic; \$1.50 a year, foreign.¹

Issued monthly by the Rural Electrification Administration. A summary of rural electrification activities and a clearing house for interchange of information pertaining to utilization of electric power in farm tasks.

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THE 1943 VICTORY GARDEN PROGRAM
United States Department of Agriculture

COMMITTEE ON VICTORY GARDENS

H. W. Hochbaum, *Chairman*

America needs millions of Victory Gardens in 1943. It *must* have at least 6 million farm gardens and 12 million city, town, and suburban gardens. Vegetables and fruits from these gardens will make a real contribution to the total civilian food supply, especially of those vital elements—the vitamins and minerals needed for sustained well-being.

Here are the facts of the situation. One-fourth of our total food production in 1943 will be needed for our armed forces and to help supply our fighting allies and the workers who make their weapons. The size of our armed forces and the length of our battle lines grow daily. That means more food immediately and more for future use.

Victory gardeners can help in many ways to meet the wartime food production problem. Home food production will contribute to the war effort both on the fighting front and on the home front. It will reduce the demand on commercial supplies and thereby make more available for military and lend-lease needs and for the needs of those who are unable to have gardens. Home production of fruits and vegetables will reduce the demand on strategic materials for canning. It will help to relieve the food transportation and distributing problem, for the victory gardener can have his vegetables and fruits right at his doorstep, and on his pantry shelves and in his cellar. Thereby, he and his family will find it easier to maintain good food habits so essential to health. The Department of Agriculture considers that good food habits require eating from 4 to 7 servings of vegetables and fruits daily. The Victory Garden program is aimed at making this possible.

The informed gardener is most likely to be the successful gardener. There are many circulars and bulletins on gardening that are helpful. The Department has published the following circulars and bulletins that give valuable information to the victory gardener:

- Victory Gardens. (M. P. 483M.) 1942.
- The City Home Garden. (F. B. 1044F.) 1919.
- The Farm Garden. (F. B. 1673F.) 1931.
- Diseases and Insects of Garden Vegetables. (F. B. 1371F.) 1924.
- Disease-Resistant Varieties of Vegetables for the Home Garden. (Leaf. 203L.) 1940.
- Hotbeds and Coldframes. (F. B. 1743F.) 1935.
- The Home Fruit Garden:
 - East Central and Middle Atlantic States. (Leaf. 218L.)
 - Southeastern and Central Southern States. (Leaf. 219L.)
 - Central Southwestern States. (Leaf. 221L.)
 - Northern Great Plains, Northern Mountain and Intermountain States. (Leaf. 222L.)
 - Pacific Coast States and Arizona. (Leaf. 224L.)
 - Northeastern and North Central States. (Leaf. 227L.)

Every State Extension Service, likewise, has published circulars and bulletins on gardening that are freely available. These many helps should be taken advantage of. We cannot afford to waste time, labor, seeds, and fertilizer because of ignorance and careless methods.

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CURRENT SERIAL RECORD

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United States Department of Agriculture

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U. S. DEPARTMENT OF AGRICULTURE

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Peanut growing. W. R. Beattie and J. H. Beattie, Bureau of Plant Industry. 31 p., illus. (F. B. 1656F., rev.) Price 5¢.

Classifying land for conservation farming. R. D. Hockensmith and J. G. Steele, Soil Conservation Service. 45 p., illus. (F. B. 1853F.) Price 10¢.

Growing peas for canning and freezing. W. R. Beattie, L. L. Harter, and B. L. Wade, Bureau of Plant Industry. 22 p., illus. (F. B. 1920F.) Price 5¢.

LEAFLETS

This series carries popular material of the same general character as that carried by the Farmers' Bulletins except that the Leaflets are confined to specific practical directions, recommendations, remedies, and methods. They are brief and concise, written in informal, popular style, and are limited to eight pages.

Disease-resistant varieties of vegetables for the home garden. R. J. Haskell, Extension Service and Bureau of Plant Industry, and V. R. Boswell, Bureau of Plant Industry. 8 p., illus. (Leaf. 203L, rev.) Price 5¢.

CIRCULARS

This series carries the less technical and more informal material of the same general nature as that in the Technical Bulletin series.

The white-pine weevil. H. J. MacAloney, Bureau of Entomology and Plant Quarantine. 31 p., illus. (Cir. 221C., rev.) Price 5¢.

The mountain pine beetle, an important enemy of western pines. James C. Evenden, W. D. Bedard, and G. R. Struble, Bureau of Entomology and Plant Quarantine. 25 p., illus. (Cir. 664C.) Price 5¢.

The Pawnee potato. W. C. Edmundson and L. A. Schaal, Bureau of Plant Industry; and A. M. Binkley, Colorado Agricultural Experiment Station. 6 p., illus. (Cir. 665C.) Price 5¢.

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List of available publications of the United States Department of Agriculture.
Compiled by Fred L. Zimmerman and Phyllis R. Read, Office of Information.
28 p. (M. P. 60M.) Abridged edition.

STATISTICAL BULLETINS

Tables giving statistics relating to one or more closely related agricultural commodities. Of interest to persons engaged in marketing or any business affected by agricultural production.

Stumpage and log prices for the calendar year 1941. Henry B. Steer, Forest Service. 72 p. (S. B. 78S.) Price 15¢.

SERVICE AND REGULATORY ANNOUNCEMENTS

Such notices of judgment, decisions, and instructions as are necessary in the enforcement of regulatory acts are contained in these announcements. They are issued monthly or as necessary by certain bureaus. Free distribution is limited to persons in the employ of the Department, to public officials whose duties render it necessary for them to have such information, to journals especially concerned, and to manufacturers and firms whose business is affected by the announcements.

Bureau of Animal Industry. Service and regulatory announcements. January 1943. Pp. 1-8. (S. R. A.-B. A. I. 429); **February 1943.** Pp. 9-20. (S. R. A.-B. A. I. 430). Price 5¢ a copy, 25¢ a year.¹

Modification of Japanese beetle quarantine regulations. Part 301. Domestic quarantine notices. Chapter III. Bureau of Entomology and Plant Quarantine. 5 p. Effective 1943. (B. E. P. Q.-Q 48).²

Modification of pink bollworm quarantine regulations. Part 301. Domestic quarantine notices, Amdt. 4. Chapter III. Bureau of Entomology and Plant Quarantine. 3 p. Effective February 1943. (B. E. P. Q.-Q 52, rev.)²

White-fringed beetle quarantine. No. 72. Subpart. Part 301. Domestic quarantine notices. Chapter III. Bureau of Entomology and Plant Quarantine. 7 p. Effective December 1942. (B. E. P. Q.-Q 72, rev.)²

OTHER PUBLICATIONS

Annual report on tobacco statistics, 1942. Agricultural Marketing Administration. 102 p., illus.

Physical land conditions on the Farmersburg-McGregor project, Clayton County, Iowa. D. E. Perfect and D. A. Sheetz, Soil Conservation Service. 25 p., illus. (Physical Land Survey No. 28.) Price 10¢. For sale only.

AGRICULTURAL WAR INFORMATION

An emergency series of publications which discuss in nontechnical language food production, nutrition, and related subjects pertaining to development of the Food for Freedom program.

Hunger quits school. Food Distribution Administration. 12 p., illus. (AWI-25).

America's biggest war plant. (AWI-28). Folder.

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Free distribution of periodicals is definitely restricted. They may be obtained by purchase or subscription from the Superintendent of Documents.

Agricultural situation. Vol. 27, No. 2, January 1943. Price 5¢ a copy; 50¢ a year, domestic; 70¢ a year, foreign.¹

A brief general summary of current conditions including pertinent statistics relating to production, movement, consumption, and prices of the important farm products.

Agriculture decisions. Vol. 1, No. 12, December 1942; Vol. 2, No. 1, January 1943. Price 15¢ a copy; \$1.50 a year.¹

To make available to interested persons, in an orderly and accessible form, decisions issued under regulatory laws administered in the Department.

Crops and markets. Vol. 18, 1941. Index. Price 10¢ a copy; 30¢ a year, domestic; 45¢ a year, foreign.¹ Quarterly

Statistics concerning crop and livestock estimates and market information; reports on supplies, stocks, commercial movement, conditions, and prices of agricultural products; and studies of prices and demand, both foreign and domestic.

Experiment station record. Vol. 88, No. 3, March; No. 4, April 1943. Price \$1 per volume (2 volumes a year) consisting of 6 monthly numbers and index; \$1.75 per volume, foreign. Single numbers for sale only. Price 15¢.¹

A technical review of scientific literature pertaining to agriculture.

Extension service review. Vol. 14, No. 3, March 1943. Illus. Price 10¢ a copy; \$1.00 a year, domestic; \$1.40 a year, foreign.¹

Issued monthly by the Extension Service, of which it is the official organ, for the distribution of administrative information.

Foreign agriculture. Vol. 7, No. 3, March 1943. Illus. Price 10¢ a copy; \$1.00 a year, domestic; \$1.60 a year, foreign.¹

¹ Payable to the Superintendent of Documents, Government Printing Office, Washington, D. C.

² These may be obtained from the issuing bureau.

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Farmers' Bulletins	Leaflets	Other publications

A 24-page monthly periodical containing articles on foreign government policies relating to agriculture, foreign agricultural production and international trade in agricultural products. The articles in general are the result of special research or field investigations conducted by the office staff or commodity specialists of the Office of Foreign Agricultural Relations. Designed primarily for those who are interested in following changes in foreign policies as they affect agriculture.

Journal of agricultural research. Price \$3.25 a year, domestic; \$4.75 a year, foreign. Each issue, 15¢, domestic; 20¢, foreign. Separates, 5¢, domestic; 8¢ foreign.¹ Not distributed free to individuals.

Of primary interest to agricultural scientists and advanced students only. Issued in 2 volumes a year of 12 numbers each. Free distribution is limited to certain libraries and to institutions or departments doing research work.

Separates. A small supply of each separate is given to the originating bureau or station for its staff, cooperators, and for such other distribution as can be made. Others interested may purchase copies from the Superintendent of Documents, Washington, D. C., at 5¢ each. The Office of Information has none for general distribution.

— Vol. 65, Index. July 1—December 15, 1942.

— Vol. 66, No. 5, March 1, 1943. Illus. Contents:

Differential effect of nutrient solutions on the size of various parts of maize seedlings grown in the dark (G-1276). J. H. Kempton.

— Vol. 66, No. 6. March 15, 1943. Illus. Contents:

An apparatus for studying respiration of *Azotobacter* in relation to the energy involved in nitrogen fixation and assimilation (Calif.-132) J. M. Fife.

Relationship of certain characteristics of seed cottons to ginning. (M-3) W. Sharrott Smith, William J. Martin, and Norma L. Pearson.

Land policy review. Index to Vol. V, January—December 1942; Vol. 6, No. 1. Spring 1943. Price 10¢ a copy; 30¢ a year, domestic; 45¢ a year, foreign.¹

Gives information on current developments in land policy and land programs to workers of the Department of Agriculture and cooperating groups. Quarterly.

Rural electrification news. Vol. 8, No. 7, March 1943. Price 10¢ a copy; 75¢ a year, domestic; \$1.50 a year, foreign.¹

Issued monthly by the Rural Electrification Administration. A summary of rural electrification activities and a clearing house for interchange of information pertaining to utilization of electric power in farm tasks.

Soil conservation. Vol. 8, No. 9, March 1943. Price 10¢ a copy; \$1 a year, domestic; \$1.50 a year, foreign.¹

Issued monthly by the Soil Conservation Service. Seeks to supply to workers and cooperators of the Department of Agriculture engaged in soil-conservation activities information of especial help to them in the performance of their duties.

¹ Payable to the Superintendent of Documents, Government Printing Office, Washington, D. C.

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*For further information ask for AWI-17.

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MONTHLY LIST OF PUBLICATIONS U. S. DEPARTMENT OF AGRICULTURE
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Free distribution of technical material and periodicals is restricted.

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FARMERS' BULLETINS

Cooperative management and marketing for the woodland owner. Forest Service. 16 p., illus. (F. B. 1927F.) Price 5¢.

Prevention and control of alfalfa weevil damage. J. C. Hamlin, W. C. McDuffie, F. V. Lieberman, and R. W. Bunn, Bureau of Entomology and Plant Quarantine. 13 p., illus. (F. B. 1930F.) Price 5¢.

Sugar-beet blocking by machinery. S. W. McBirney, Bureau of Plant Industry, Soils and Agricultural Engineering. 9 p., illus. (F. B. 1933F.) Price 5¢.

LEAFLETS

A wartime dairy barn. Geo. L. Edick, Bureau of Plant Industry, Soils, and Agricultural Engineering. 8 p., illus. (Leaf. 232L.) Price 5¢.

Selecting breeding stock for broiler production. Charles W. Knox and Clement D. Gordon, Bureau of Animal Industry. 8 p., illus. (Leaf. 233L.) Price 5¢.

TECHNICAL BULLETINS

Effect of climate on the yield and oil content of flaxseed and on the iodine number of linseed oil. A. C. Dillman, Bureau of Plant Industry; and T. H. Hopper, North Dakota Agricultural Experiment Station. 69 p., illus. (T. B. 844T.) Price 15¢.

CIRCULARS

Fiber-flax machinery and processing operations in Oregon. W. M. Hurst, Bureau of Agricultural Chemistry and Engineering. 27 p., illus. (Cir. 667C.) Price 10¢.

Sampling technique for determining populations of the citrus red mite and its predators. Chas. F. Henderson and Horace V. McBurnie, Bureau of Entomology and Plant Quarantine. 11 p., illus. (Cir. 671C.) Price 5¢.

Hybrid beef cattle for subtropical climates. A. O. Rhoad and W. H. Black, Bureau of Animal Industry. 11 p., illus. (Cir. 673C.) Price 5¢.

MISCELLANEOUS PUBLICATIONS

Classification of the Dermestidae (larder, hide, and carpet beetles) based on larval characters, with a key to the North American genera. Bryant E. Rees, Bureau of Entomology and Plant Quarantine. 18 p., illus. (M. P. 511M.) Price 5¢.

Federal legislation, rulings, and regulations affecting the State agricultural experiment stations. Office of Experiment Stations. 43 p. (M. P. 515M.) Price 10¢. Restricted.

Erosion lowers wartime production on northeastern farms. William W. Reitz, Soil Conservation Service. 17 p., illus. (M. P. 516M.)

SERVICE AND REGULATORY ANNOUNCEMENTS

- Bureau of Animal Industry. Service and regulatory announcements. March 1943. Pp. 21-24. (S. R. A.-B. A. I. 431). Price 5¢ a copy, 25¢ a year.¹
- Bureau of Entomology and Plant Quarantine. Service and regulatory announcements, October-December 1942. Pp. 73-96. (S. R. A.-B. E. P. Q. No. 153.)²

OTHER PUBLICATIONS

- Report of cooperative extension work in Agriculture and Home Economics, 1941-42. M. L. Wilson and Reuben Brigham, Extension Service. 38 p. Price 10¢.

AGRICULTURAL WAR INFORMATION

How to make your electric cords last longer. Bureau of Human Nutrition and Home Economics. (AWI-20.) Price 5¢; \$1.00 per 100 copies.

Wooden fences and gates that conserve critical materials. George L. Edick, Bureau of Agricultural Chemistry. (AWI-24.) Folder. Price 5¢; \$2.50 per 100 copies.

Take care of the wool you have. Bureau of Home Economics. (AWI-26.) Folder. Price 5¢; \$1.00 per 100 copies.

The challenge to farm youth in 1943. A message to 4-H Club members. Claude R. Wickard, Secretary of Agriculture. (AWI-29.) Folder. 6 p. Price 5¢; \$1.00 per 100 copies.

Safety check list for women and girls doing farm work for the first time. Extension Service. (AWI-31.) Folder.

War demands salvage and re-use of fruit and vegetable containers. Food Distribution Administration. (AWI-33.) Folder. Price 5¢; \$1.00 per 100.

PERIODICALS

Free distribution of periodicals is definitely restricted. They may be obtained by purchase or subscription from the Superintendent of Documents.

Agricultural situation. Vol. 27, No. 3, March 1943. Price 5¢ a copy; 50¢ a year, domestic; 70¢ a year, foreign.¹

Agriculture decisions. Vol. 2, No. 2. February 1943. Price 15¢ a copy; \$1.50 a year.¹

Agriculture in the Americas. Index to Volume 2, 1942. Vol. 3, No. 4, April 1943. Illus. Price 10¢ a copy; 75¢ a year, domestic; \$1.20 a year, foreign.¹

Crops and markets. Index to Vol. 19, 1942. Price 10¢ a copy; 30¢ a year, domestic; 45¢ a year, foreign.¹ Quarterly.

Experiment station record. Vol. 88, No. 5, May 1943. Price \$1 per volume (2 volumes a year) consisting of 6 monthly numbers and index; \$1.75 per volume, foreign. Single numbers for sale only. Price 15¢.¹

Extension service review. Vol. 14, No. 4, April 1943. Illus. Price 10¢ a copy; \$1.00 a year, domestic, \$1.40 a year, foreign.¹

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Farmers' Bulletins	Leaflets	Other publications

Journal of agricultural research—Continued.

— Vol. 66, No. 7. April 1, 1943. Illus. Contents:

Fungicidal tests on blue mold (*Peronospora tabacina*) of tobacco (G-1278). E. E. Clayton, T. E. Smith, K. J. Shaw, J. G. Gaines, T. W. Graham, and C. C. Yeager, Jr.
Fungicidal and phytocidal properties of some metal dialkyl dithiocarbamates (G-1275). M. C. Goldworthy, E. L. Green, and M. A. Smith.

— Vol. 66, No. 8. April 15, 1943. Illus. Contents:

Relation of green lint index in upland cotton (G-1279). J. Winston Neely.
Heritable relation of wax content and green pigmentation of lint in upland cotton (M-4). Carl M. Conrad and J. Winston Neely.
Ascorbic acid content of strains of snap beans (G-1281). B. L. Wade and Margaret S. Kanapaux.

News for farmer cooperatives. Vol. 9, No. 8, January; No. 9, February, No. 10, March, No. 11, April 1943. Price 10¢ a copy; \$1.00 a year, domestic.³

Rural electrification news. Vol. 8, No. 8, April 1943. Price 10¢ a copy; 75¢ a year, domestic; \$1.50 a year, foreign.²

Soil conservation. Vol. 8, No. 10, April, 1943. Price 10¢ a copy; \$1 a year, domestic; \$1.50 a year, foreign.²

A VICTORY FLOCK FOR THE BACK YARD

A small flock of chickens may aid the family with a victory garden to produce more food for home use, provided the chickens are kept out of the garden and local regulations allow chickens to be kept.

A back yard with soil unsuitable for gardening may be used for a victory poultry flock to pinch-hit for a garden and provide fresh eggs to help meet family needs.

Chickens can utilize table scraps, garden waste, vegetable tops, and fresh lawn clippings, thus cutting the cost of feed. To obtain efficient growth, however, the chickens must get most of their nourishment from well-prepared mashes or grain mixtures. Special commercial feeds are available to meet the needs of chickens of different ages. Under favorable conditions, good chicks will grow to weigh about 3 pounds on 10 to 12 pounds of feed, not including the green feed they should get.

If yard space is limited, it may be desirable to use the battery method of raising chickens, especially if there are neighbors who might object to a full-scale chicken yard. In the battery method,* the chickens are kept apartment-style, in a corner of the garage or other outbuilding. Since they do not get a chance to run, battery chicks usually make efficient use of their feed. Some commercial poultrymen use the battery system exclusively.

² May be obtained from the issuing bureau.

³ May be obtained from Farm Credit Administration, Kansas City, Mo.

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Beginners in a poultry enterprise usually start with baby chicks from a commercial hatchery, delivered when from 24 to 72 hours old. It pays to order what is known as U. S. pullorum-tested stock, an assurance that the hatching eggs come from flocks tested for pullorum disease that is so deadly to baby chicks. Many reputable hatcheries sell only pullorum-free stock and the price is little, if any, higher than that of chicks from nontested stock.

As baby chicks will need warmth for comfort, the back-yard flock owner will need to improvise, or buy, some sort of brooder to take the place of the mother hen. For the first week or ten days the chicks will be most comfortable with a temperature, under the hover, of about 90 to 95 degrees. Their need for heat will drop about 5 degrees a week until they are feathered and no longer need artificial heat. Even when daytime temperatures are warm, the young chicks will need some artificial heat at night. Indoor hovers or brooders may be placed in the cellar, in the garage or other building, where they will be protected from wind and rain. Outdoor brooders with wire-floored yards are well adapted for brooding and growing chickens.

Brooders and surroundings should be kept sanitary and dry as a measure of preventing disease. It is good management to remove soiled or wet litter every day or two. A general cleaning and replacement will be needed about once a week. An inch or more of coarse sand as the base for litter will aid in cleaning the brooder and it also absorbs moisture. When the sand is covered with chopped straw for litter, the weekly clean-up will include sweeping up the straw and discarding most of it that is not obviously clean and dry. Soiled sand should be removed, after which the surface can be raked smooth, new sand added, and clean chopped litter replaced.

Chicks need good starting and growing mashes which should be kept before the chicks in shallow pans or feeders. Growing chickens can eat in addition to the mash some fine table scraps but not coarse materials, such as vegetable parings. It is much easier to keep chicks healthy and growing by keeping them warm, clean, and dry, than to try to cure ailments that develop as the result of chills, dampness, or spoiled feed.

Before getting too deeply involved in the venture, the family should weigh the factors for and against success with poultry. It will want to know the experience and equipment required, the space available, some of the cost factors, and whether there will be a member of the family available at all times to give the chickens the care they will require.

Another consideration is the fertilizer from the chicken house, a byproduct that may be used to advantage by those who have gardens.

The Department has published the following bulletins that give valuable information to the back yard poultry raiser.

- *1508F. Poultry keeping in back yards.
- 1538F. Incubation and brooding of chickens.
- 1554F. Poultry houses and fixtures.
- 1652F. Diseases and parasites of poultry.
- 1841F. The feeding of chickens.
- 233L. Selecting breeding stock for broiler production.

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FARMERS' BULLETINS

Castrating and docking lambs. D. A. Spencer, Bureau of Animal Industry and E. W. Baker, Bureau of Agricultural Economics. 8 p., illus. (F. B. 1134F., rev.) Price 5¢.

Care and use of rope on the farm. J. R. McCalmont, Bureau of Plant Industry, Soils and Agricultural Engineering. 17 p., illus. (F. B. 1931F.) Price 10¢.

Grapes for different regions. C. A. Magoon and Elmer Snyder, Bureau of Plant Industry, Soils, and Agricultural Engineering. 38 p., illus. (F. B. 1936F.) Price 10¢.

Fish for food from farm ponds. Verne E. Davison and J. A. Johnson, Soil Conservation Service. 22 p., illus. (F. B. 1938F.) Price 10¢.

Home storage of vegetables and fruits. James H. Beattie and Dean H. Rose, Bureau of Plant Industry, Soils and Agricultural Engineering. 29 p., illus. (F. B. 1939F.) Price 10¢.

Woodlands in the farm plan. John F. Preston, Soil Conservation Service. 22 p. illus. (F. B. 1940F.) Price 10¢.

TECHNICAL BULLETINS

Milk yields and milking rates of the individual quarters of the dairy cow udder. C. A. Matthews, W. W. Swett, and R. R. Graves, Bureau of Dairy Industry. 32 p., illus. (T. B. 827T.) Price 10¢.

A simplified method for determining the condition of white-tailed deer herds in relation to available forage. Barry C. Park and Besse B. Day, Forest Service. 60 p., illus. (T. B. 840T.) Price 15¢.

Contribution to the morphology and anatomy of guayule (*Parthenium argentatum*). Ernst Artschwager, Bureau of Plant Industry. 34 p., illus. (T. B. 842T.) Price 15¢. Restricted.

Fattening steers on milo grain in the southern Great Plains. W. H. Black and Paul E. Howe, Bureau of Animal Industry; J. M. Jones, Texas Agricultural Experiment Station, and F. E. Keating, Bureau of Plant Industry. 15 p., illus. (T. B. 847T.) Price 5¢.

CIRCULARS

Lumpy jaw, or actinomycosis. John R. Mohler and Maurice S. Shahan, Bureau of Animal Industry. 9 p., illus. (Cir. 438C., rev.) Price 5¢.

The composition of paper and paperboards manufactured in 1939. R. V. Reynolds and Albert H. Pierson, Forest Service. 23 p., illus. (Cir. 668C.) Price 10¢.

Feed consumption by livestock, 1910-41. R. D. Jennings, Bureau of Agricultural Economics. 57 p. (Cir. 670C.) Price 10¢.

MISCELLANEOUS PUBLICATIONS

Workers in subjects pertaining to agriculture in land-grant colleges and experiment stations, 1942-43. Betty T. Richardson, Office of Experiment Stations. 174 p. (M. P. 510M.) Price 25¢. Restricted

Food for freedom by better range-conservation practices in the Pacific Northwest. W. T. White, W. R. Frandsen, R. R. Humphrey, and N. T. Nelson, Soil Conservation Service. 19 p., illus. (M. P. 514M.) Price 10¢.

Farming for greater production of war crops in the intermountain and southwestern country. Soil Conservation Service. [11] p., illus. (M. P. 517M.) Price 5¢.

SERVICE AND REGULATORY ANNOUNCEMENTS

Bureau of Animal Industry. Service and regulatory announcements. April 1943. Pp. 25-31. (S. R. A.-B. A. I. 432). Price 5¢ a copy, 25¢ a year.¹

SOIL SURVEYS

Rhode Island, Providence County. (No. 3, Series 1938.) 72 p., illus. Price 35¢.

OTHER PUBLICATIONS

National forest areas. June 30, 1942. Forest Service. 15 p.²

The agriculture, soils, geology, and topography of the Blacklands Experimental Watershed, Waco, Texas. Soil Conservation Service. 38 p., illus. (Hydrologic Bull. No. 5.) Price 40¢. For sale only.

AGRICULTURAL WAR INFORMATION

9 steps in grading soybeans. Extension Service. (AWI-35). Folder.

10 steps in grading grain sorghums. Extension Service. (AWI-36). Folder.

6 steps in grading flaxseed. Extension Service. (AWI-37). Folder.

Save cotton by controlling insects. (AWI-38). Folder.

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Agricultural situation. Vol. 27, No. 4, April 1943. Price 5¢ a copy; 50¢ a year, domestic; 70¢ a year, foreign.¹

Agriculture decisions. Vol. 2, No. 3, March 1943; No. 4, April 1943. Price 15¢ a copy; \$1.50 a year.¹

Agriculture in the Americas. Vol. 3, No. 5, May 1943. Illus. Price 10¢ a copy; 75¢ a year, domestic; \$1.20 a year, foreign.¹

Crops and markets. Vol. 20, No. 2, April 1943. Price 10¢ a copy; 30¢ a year, domestic; 45¢ a year, foreign.¹ Quarterly.

Experiment station record. Vol. 88, No. 6, June 1943. Price \$1 per volume (2 volumes a year) consisting of 6 monthly numbers and index; \$1.75 per volume, foreign. Single numbers for sale only. Price 15¢.¹

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— Vol. 66, No. 9. May 1, 1943. Illus. Contents:

Effect of photoperiod on rice varieties grown in the field (G-128). H. M. Beachell.
The composition and palatability of some common grasses (Mass.-52). J. G. Archibald,
E. Bennett, and W. S. Ritchie.
The proteins of various tree seeds (Minn.-122). A. P. Lund and W. M. Sandstrom.

— Vol. 66, No. 10. May 15, 1943. Contents:

Some methods for approximate prediction of surface area of fruits (Mich.-39). William Dowell Baten and Roy E. Marshall.
Effect of fertilizer and environment on the ascorbic acid content of turnip greens. (Okla.-29). Ruth Reder, Leah Ascham, and Mary S. Eheart.

News for farmer cooperatives. Vol. 10, No. 2, May 1943. Price 10¢ a copy; \$1 a year, domestic.³

Rural electrification news. Vol. 8, No. 9, May 1943. Price 10¢ a copy; 75¢ a year, domestic; \$1.50 a year, foreign.¹

Soil conservation. Vol. 8, No. 11, May 1943. Price 10¢ a copy; \$1 a year, domestic; \$1.50 a year, foreign.¹

NUTRITION AND FOOD CONSERVATION CAMPAIGN

United States Department of Agriculture

W. H. Sebrell, *Associate Chief, Nutrition and Food Conservation Branch, Food Distribution Administration*

The Executive Order creating the War Food Administration as the agency to coordinate all activities concerned with the production and distribution of food made it logical that the Nutrition Division of the Office of Defense Health and Welfare Services, Federal Security Agency, should be transferred to the Food Distribution Administration, War Food Administration. The functions of the Nutrition Division have been incorporated in the Nutrition and Food Conservation Branch of the Food Distribution Administration, with offices in the Department of Agriculture, South Building.

¹ Payable to Superintendent of Documents, Government Printing Office, Washington, D. C.

³ May be obtained from Farm Credit Administration, Kansas City, Mo.

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The transfer will not interrupt the relationship which has been maintained with the State and local nutrition committees during the past 2 years. The regional nutritionists, who have been assigned to the Food Distribution Administration regional offices, will continue to work with the committees on the same basis as before.

Through the State and local nutrition committees the Nutrition Division will continue to act as an integrating and coordinating agency for the activities of all groups, governmental and private, engaged in furthering nutrition. Through the educational program it will continue to encourage the dissemination of the knowledge and practice of adequate nutrition geared to the wartime food situation.

Checking food waste to conserve the physical volume of food, from production point to table, and conservation of all possible nutritive values are important factors of the program.

Emphasis is being placed upon unified programs which will reach every home-maker with approved, safe, and successful methods of canning and upon community canning where there is a surplus of fresh foods.

Information about purchasing foods for their greatest nutritive value and the use of alternates which have the same nutritive value as those which are in short supply are integral parts of the program. Organization of plans for food demonstrations which will teach the best use of locally abundant foods and how to extend the flavor of those less abundant will be carried on through the State and local nutrition committees.

The Nutrition in Industry program will guide, and assist in feeding industrial workers so that adequate diets may be provided at industrial plants. The Division will cooperate with the Public Health Service and other Government agencies engaged in maintaining the health of civilians in military, naval, and industrial areas and will strive toward the maximum utilization of existing food supplies both from the standpoint of quantity and nutritive value.

AVAILABLE PUBLICATIONS RELATING TO NUTRITION

Market Lists for Moderate-Cost and Liberal Meals.

Three Market Lists for Low-Cost Meals.

Green Vegetables in Low-Cost Meals.

Dried Fruits in Low-Cost Meals.

Well-Nourished Children.

AWI-1. Food for Growth.

AWI-2. Vitamins From Farm to You.

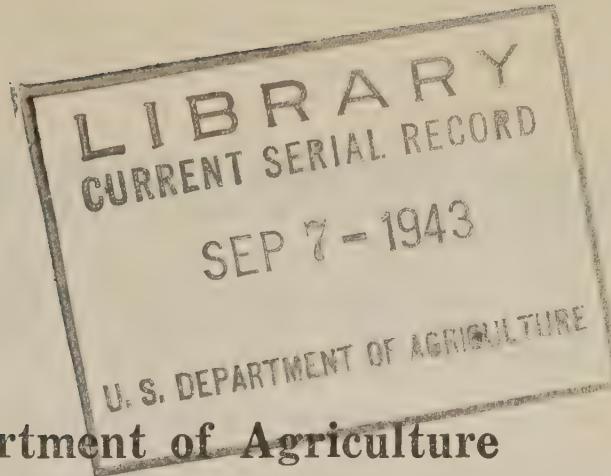
AWI-3. Fight Food Waste in the Home.

AWI-34. Fats in Wartime Meals.

AW\$-41. Wartime Canning of Fruits and Vegetables.

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MONTHLY LIST OF PUBLICATIONS

JUNE 1943

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FARMERS' BULLETINS

Soybean diseases and their control. Howard W. Johnson, Bureau of Plant Industry, Soils, and Agricultural Engineering; and Benjamin Koehler, Illinois Agricultural Experiment Station. 24 p., illus. (F. B. 1937F.) Price 10¢.

Good pastures. A. T. Semple, Soil Conservation Service; and M. A. Hein, Bureau of Plant Industry, Soils, and Agricultural Engineering. 22 p., illus. (F. B. 1942F.) Price 10¢.

TECHNICAL BULLETINS

Seed rot and seedling blight of sorghum. R. W. Leukel, and John H. Martin, Bureau of Plant Industry, Soils, and Agricultural Engineering. 26 p. (T. B. 839T.) Price 10¢.

Sugar-beet seed production in southern Utah, with special reference to factors affecting yield and reproductive development. Bion Tolman, Bureau of Plant Industry, Soils, and Agricultural Engineering. 35 p., illus. (T. B. 845T.) Price 10¢.

The ecology of the principal summer weed hosts of the beet leafhopper in the San Joaquin Valley, California. F. R. Lawson, Bureau of Entomology and Plant Quarantine; and R. L. Piemeisel, Bureau of Plant Industry, Soils, and Agricultural Engineering. 38 p., illus. (T. B. 848T.) Price 10¢.

CIRCULARS

Influence of lime and fertilizers on pasture establishment and production at Jeanerette, La., 1932 to 1938. R. B. Carr, Bureau of Plant Industry, Soils, and Agricultural Engineering, and A. O. Rhoad, Bureau of Animal Industry. 20 p., illus. (Cir. 666C.) Price 5¢.

MISCELLANEOUS PUBLICATIONS

Georgia forest resources and industries. A. R. Spillers and I. F. Eldredge, Forest Service. 70 p., illus. (M. P. 501M.) Price 25¢.

Northern Idaho forest resources and industries. S. Blair Hutchison and R. K. Winters, Forest Service. 75 p., illus. (M. P. 508M.) Price 30¢.

Pastures of Puerto Rico and their relation to soil conservation. H. W. Alberts and Ovidio Garcia-Molinari, Soil Conservation Service. 46 p., illus. (M. P. 513M.) Price 10¢.

Rural family spending and saving in wartime. Bureau of Human Nutrition and Home Economics, in cooperation with the United States Bureau of Labor Statistics. 163 p. (M. P. 520M.) Price 20¢.

SERVICE AND REGULATORY ANNOUNCEMENTS

Bureau of Animal Industry. Service and regulatory announcements. May 1943. Pp. 33-35. (S. R. A.-B. A. I. 433.) Price 5¢ a copy, 25¢ a year.¹

List of intercepted plant pests, 1942. Service and regulatory announcements. Bureau of Entomology and Plant Quarantine. 41 p.²

Rules and regulations of the Secretary of Agriculture governing the grading and certifications of meats, prepared meats, and meat products. Service and regulatory announcements No. 98, revised. Effective February 1943. Food Distribution Administration. (S. R. A.-F. D. A. 98, rev.)²

SOIL SURVEYS

Indiana, Knox County. (No. 23, Series 1934.) 95 p., illus. Price 50¢.

South Carolina, Pickens County. (No. 7, Series 1937.) 54 p., illus. Price 35¢.

Texas, Dimmit County. (No. 4, Series 1938.) 67 p., illus. Price 50¢.

OTHER PUBLICATIONS

Cotton futures statistics. August 1941-July 1942. Food Distribution Administration. 25 p. (CS-2.)

AGRICULTURAL WAR INFORMATION

Protecting potatoes from late blight. E. S. Schultz, Bureau of Plant Industry, Soils, and Agricultural Engineering; and R. J. Haskell, Extension Service. (AWI-18.) Price \$3.00 per 100 copies.

Fats in wartime meals. Bureau of Human Nutrition and Home Economics. (AWI-34.) Folder.

Root vegetables in wartime meals. Bureau of Human Nutrition and Home Economics. (AWI-39.) Price \$1.00 per 100 copies.

Wartime canning of fruits, vegetables. Bureau of Human Nutrition and Home Economics. (AWI-41.) Folder. Price 5¢ per copy; \$1.00 per 100 copies.

Safety for the U. S. Crop Corps. In collaboration with Department of Labor, Office of Education, and National Safety Council. [16] p., illus. (AWI-42.)

Going to the farm front? In collaboration with Department of Labor, Office of Education, and National Safety Council. (AWI-44.)

Start them right! In collaboration with Department of Labor, Office of Education, and National Safety Council. (AWI-45.)

Wartime feed mixtures for chickens. Harry W. Titus, John C. Hammond, and Donald Whitson, Bureau of Animal Industry. 7 p. (AWI-48.) Price 5¢.

PERIODICALS

Free distribution of periodicals is definitely restricted. They may be obtained by purchase or subscription from the Superintendent of Documents.

Agricultural situation. Vol. 27, No. 5, May 1943. Price 5¢ a copy; 50¢ a year, domestic; 70¢ a year, foreign.¹

¹ Payable to the Superintendent of Documents, Government Printing Office, Washington, D. C.

² These may be obtained from the issuing bureau.

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Farmers' Bulletins	Leaflets	Other publications

Agriculture in the Americas. Vol. 3, No. 6, June 1943. Illus. Price 10¢ a copy; 75¢ a year; domestic; \$1.20 a year, foreign.¹

Experiment station record. Vol. 86, Index number. January-June 1942; Vol. 89, No. 1. July 1943. Price \$1 per volume (2 volumes a year) consisting of 6 monthly numbers and index; \$1.75 per volume, foreign. Single numbers for sale only. Price 15¢.¹

Extension service review. Vol. 14, No. 6, June 1943. Illus. Price 10¢ a copy; \$1.00 a year, domestic; \$1.40 a year, foreign.¹

Foreign agriculture. Vol. 7, No. 6, June 1943. Illus. Price 10¢ a copy; \$1.00 a year, domestic; \$1.60 a year, foreign.¹

Journal of agricultural research. Price \$3.25 a year, domestic; \$4.75 a year, foreign. Each issue, 15¢, domestic; 20¢, foreign. Separates, 5¢, domestic; 8¢, foreign.¹ Not distributed free to individuals.

Of primary interest to agricultural scientists and advanced students only. Issued in 2 volumes a year of 12 numbers each. Free distribution is limited to certain libraries and to institutions or departments doing research work.

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— Vol. 66, No. 12. June 15, 1943. Illus. Contents:

The effect of different oxygen concentrations on the rate of respiration of *Azotobacter* in relation to the energy involved in nitrogen fixation and assimilation (Calif.-131). J. M. Fife.

Inheritance of seed color in *Lactuca sativa* (G-1284). Ross C. Thompson.

Inheritance of oil glands in Pima cotton (G-1288). R. H. Peebles and E. Gordon Smith.

Land policy review. Vol. 6, No. 2, for summer 1943. Price 10¢ a copy; 30¢ a year, domestic; foreign, 45¢ a year.¹ Quarterly.

News for farmer cooperatives. Vol. 10, No. 3, June 1943. Price 10¢ a copy; \$1 a year, domestic.²

Rural electrification news. Vol. 8, No. 10, June 1943. Price 10¢ a copy; 75¢ a year, domestic; \$1.50 a year, foreign¹

Soil conservation. Vol. 8, No. 12, June 1943. Price 10¢ a copy; \$1 a year, domestic; \$1.50 a year, foreign.¹

¹ Payable to the Superintendent of Documents, Government Printing Office, Washington, D. C.

² May be obtained from Farm Credit Administration, Kansas City, Mo.

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The NATIONAL FARM AND HOME HOUR gives *farmers* facts from the Department of Agriculture about the changing war needs for their poultry products, information on Government programs to help meet their production goals, policy discussions by our agricultural war leaders. It gives *Homemakers* facts about food supplies, ideas on how to save food and clothing, suggestions on keeping their families well-fed under rationing.

CONSUMER TIME presents a dramatized story and discussion combined with the expert advice of a guest authority. These broadcasts present to the consumer the latest facts on conservation, nutrition, rationing, and the wise purchase and use of food, clothing, and household equipment, together with practical tips on wartime living.

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(In California, Oregon, and Washington the early morning broadcasts are the programs presented the previous day in other parts of the country.) The National Farm and Home Hour is available to all BLUE Network stations.

LISTEN TO

CONSUMER TIME

Saturday over stations associated with the NATIONAL BROADCASTING COMPANY.

12:15 p. m. Eastern War Time.
 11:15 a. m. Central War Time.
 10:15 a. m. Mountain War Time.
 9:15 a. m. Pacific War Time.

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FARMERS' BULLETINS

High-grade alfalfa hay: Methods of producing, baling, and loading for market. W. H. Hosterman, Food Distribution Administration. 30 p., illus. (F. B. 1539F., rev.) Price 10¢.

Slip covers for furniture. Bess Viemont Morrison, Bureau of Human Nutrition and Home Economics. 26 p., illus. (F. B. 1873F., rev.) Price 10¢.

TECHNICAL BULLETINS

Chemical seed treatments for the control of certain diseases of sorghum. R. W. Leukel, Bureau of Plant Industry, Soils, and Agricultural Engineering. 24 p. illus. (T. B. 849T.) Price 10¢.

Studies on host plants of the leafhoppers of the genus *Empoasca*. F. W. Poos and Nancy H. Wheeler, Bureau of Entomology and Plant Quarantine. 51 p., illus. (T. B. 850T.) Price 15¢.

CIRCULARS

The hotis test for the detection of mastitis bacteria in milk. W. T. Miller, Bureau of Animal Industry, 7 p., illus. (Cir. 672C.) Price 5¢.

Diseases of dent corn in the United States. Arnold J. Ullstrup, Bureau of Plant Industry, Soils, and Agricultural Engineering. 34 p., illus. (Cir. 674C.) Price 10¢.

Dutch elm disease and its control. James M. Walter and Curtis May, Bureau of Plant Industry, Soils, and Agricultural Engineering; and C. W. Collins, Bureau of Entomology and Plant Quarantine. 12 p., illus. (Cir. 677C.) Price 10¢.

MISCELLANEOUS PUBLICATIONS

Fiber production in the Western Hemisphere. Lyster H. Dewey, Bureau of Plant Industry, Soils, and Agricultural Engineering. 95 p., illus. (M. P. 518M.) Price 30¢. Restricted.

List of sires proved in dairy herd improvement associations, 1943. Bureau of Dairy Industry. 97 p., (M. P. 522M.) Price 15¢.

SERVICE AND REGULATORY ANNOUNCEMENTS

Bureau of Entomology and Plant Quarantine. Index to service and regulatory announcements, 1942. Issued August 1943. 2 p. (S. R. A.-B. E. P. Q. Index, 1942.)¹

Quarantine and other official announcements. Announcements relating to Japanese beetle quarantine No. 48. Service and regulatory announcements January-March 1943. Bureau of Entomology and Plant Quarantine. (S. R. A.-B. E. P. Q. 154.) 15 p.¹

Regulations under the Packers and Stockyards Act, as amended. General rules and regulations of the Secretary of Agriculture with respect to stockyard owners, market agencies, dealers, licensees, and packers. Service and regulatory announcements 164. Food Distribution Administration. (S. R. A.-F. D. A. 164.) 29 p.¹

SOIL SURVEYS

Idaho, Blackfoot-Aberdeen area. (No. 6, Series 1937.) 111 p., illus. Price 50¢.
North Carolina, Henderson County. (No. 9, Series 1937.) 68 p., illus. Price 35¢.
Ohio, Lucas County. (No. 24, Series 1934.) 43 p., illus. Price 35¢.

OTHER PUBLICATIONS

Bibliography on lice and man, with particular reference to wartime conditions. Mary E. Grinnell and Ina L. Hawes, Department Library. 106 p. (Bib. Bull. 1.) Price 15¢.

Corn futures statistics. January 1940-September 1942. Food Distribution Administration. 35 p. (CS-1.)

Physical land conditions in Tama County, Iowa. J. A. Bonsteel, J. A. Elwell, and R. R. Finley, Soil Conservation Service. 44 p., illus. (Physical Land Survey No. 27.) Price 25¢. For sale only.

Plants for insecticides and rodenticides. A. F. Sievers, Bureau of Plant Industry, Soils and Agricultural Engineering; and E. C. Higbee, Office of Foreign Agricultural Relations. 20 p.) (F. A. Rpt. No. 8.)

Report of the Puerto Rico Experiment Station, 1942. 29 p. Price 10¢.

AGRICULTURAL WAR INFORMATION

Grass seed production. Bureau of Plant Industry, Soils, and Agricultural Engineering. (AWI-43). Folder.

How to increase cottonseed oil production. Bureau of Plant Industry, Soils, and Agricultural Engineering. (AWI-46.) Folder.

Dried beans & peas in wartime meals. Bureau of Human Nutrition and Home Economics. Folder. (AWI-47.) Price 5¢ per copy; \$1.00 per 100 copies.

Legume seed production in the North. E. A. Hollowell, Bureau of Plant Industry, Soils, and Agricultural Engineering. 11 p. (AWI-49.) Folder.

Women's land army of the U. S. Crop Corps needs workers. Extension Service. (AWI-50.) Folder.

Victory farm volunteers of the U. S. Crop Corps need 500,000 boys and girls. Extension Service in Collaboration with Office of Education and other Government and private agencies. Folder. (AWI-52.)

Do you need additional farm help? War Food Administration. (AWI-53.) Folder.

Market your range cattle in the best condition. Forest Service. [9] p. (AWI-55.)

Victory gardeners can prevent earworms from entering their corn. Extension Service and Bureau of Entomology and Plant Quarantine. Folder. (AWI-58.)

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Agricultural situation. Vol. 27, No. 7, July 1943. Price 5¢ a copy; 50¢ a year, domestic; 70¢ a year, foreign.²

Agriculture decisions. Vol. 2, No. 5, May 1943. Price 15¢ a copy; \$1.50 a year.²

Agriculture in the Americas. Vol. 3, No. 6, June 1943. Illus. Price 10¢ a copy; 75¢ a year, domestic; \$1.20 a year, foreign.²

Experiment station record. Vol. 89, No. 2, August 1943. Price \$1 per volume (2 volumes a year) consisting of 6 monthly numbers and index; \$1.75 per volume, foreign. Single numbers for sale only. Price 15¢.²

Extension service review. Vol. 14, No. 7, July 1943. Illus. Price 10¢ a copy; \$1.00 a year, domestic; \$1.40 a year, foreign.²

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— Vol. 67. No. 1. July 1, 1943. Illus. Contents:

Anatomical and other studies on mazzard cherry seedlings having excessive roots at the collar region (G-1273). E. A. Siegler.

Effectiveness against the California red scale of cube resins and nicotine in petroleum spray oil (K-323). A. W. Cressman.

Differentiation of the two genetic factors for resistance to the hessian fly in Dawson wheat (K-328). W. B. Noble and C. A. Suneson.

— Vol. 67. No. 2. July 15, 1943. Illus. Contents:

Food reserves and their translocation to the crown buds as related to cold and drought resistance in alfalfa (G-1283). C. O. Grandfield.

Mustard oils in crucifers and their relation to resistance to clubroot (Wis.-142). Mark A. Stahmann, Karl Paul Link, and J. C. Walker.

Effect of change of temperature on relative toxicity of rotenone and phenol (K-324). W. A. Gersdorff.

News for farmer cooperatives. Vol. 10, No. 4. July 1943. Price 10¢ a copy; \$1.00 a year, domestic.³

Rural electrification news. Vol. 8, No. 11, July 1943. Price 10¢ a copy; 75¢ a year, domestic; \$1.50 a year, foreign.²

Soil conservation. Vol. 9, No. 1, July 1943. Price 10¢ a copy; \$1 a year, domestic; \$1.50 a year, foreign.²

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³ May be obtained from Farm Credit Administration, Kansas City, Mo.

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HOME FOOD PRESERVATION

The Department of Agriculture is now in the midst of an educational campaign on home food preservation. This is a natural follow-up of the Victory Gardens Campaign and is being handled as a part of that campaign.

Millions of victory gardeners who are growing vegetables for the first time this year are likely to find that they have grown more of certain crops than they can consume in the fresh condition and are, therefore, needing reliable and exact information on various methods of home food preservation. These methods include canning, storing, drying, brining, and pickling.

Canning is the most widely used of these methods. For many years the Department has published information on this subject. The most pertinent information has been condensed, brought up to date, and issued as a folder called Wartime Canning of Fruits, Vegetables. Copies are available free upon request.

Storage is another method commonly used to save vegetables for use during the winter. If proper conditions are present, storage is one of the simplest ways to save food. The old publication on this subject has recently been revised and reissued as Farmers' Bulletin 1939, Home Storage of Vegetables and Fruits. It gives detailed directions for storing all of the vegetables and fruits adapted to storage under home conditions. It is also free upon request.

Drying is one of the oldest methods of preserving food. During the first World War there was considerable interest in drying fruits and vegetables in the home, and this interest has persisted in certain sections of the country where the climate is favorable for outdoor drying. Since our entry into the present war there has been a tremendous interest in commercial dehydration of a large variety of foods. This interest has also created a demand for simple methods for drying food in the home. To meet the need for information on this subject the Department has just issued a folder—AWI-59, Oven Drying—One Way to Save Victory Garden Surplus. This folder gives directions for drying foods in ovens where the temperature can be controlled. Farmers' Bulletin 1918, Drying Foods for Victory Meals, has been completely revised and will soon be available. It gives directions for making three different kinds of home-made driers. It is being published as Farmers' Bulletin 1918 and will be sent free upon request as soon as it is received from the press.

Brining and salting have also been in use for many years. The two methods are much the same except that in brining, salt is dissolved in the water to form brine. For salting, dry salt is used. The older methods required the use of relatively large amounts of salt, which made it necessary to soak the product several hours before cooking. Recent research by the Department in cooperation with the North Carolina Agricultural Experiment Station has shown that many vegetables may be brined or salted with a small amount of salt. Vegetables prepared by this method require little or no soaking. Thus they retain larger amounts of vitamins and minerals that would ordinarily be removed by prolonged soaking. A new Farmers' Bulletin 1932 gives directions for brining and salting a large number of vegetables. This bulletin, Preservation of Fruits and Vegetables by Salting or Brining, is in press. There is also available Farmers' Bulletin 1438, Making Fermented Pickles. Copies are free.

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FARMERS' BULLETINS

Spray-residue removal from apples and other fruits. M. H. Haller, Edwin Smith, and A. L. Ryall, Bureau of Plant Industry, Soils, and Agricultural Engineering. 21 p., illus. (F. B. 1752F, rev.) Price 10¢.

Sewing machines, cleaning and adjusting. Helen S. Holbrook, Bureau of Human Nutrition and Home Economics; Albert V. Krewatch, University of Maryland. 24 p., illus. (F. B. 1944F.) Price 10¢.

MISCELLANEOUS PUBLICATIONS

List of available publications of the United States Department of Agriculture. Arranged by subjects. Compiled by Fred L. Zimmerman, Office of Information. (M. P. 60M., second abridged edition). 32 p.

Market diseases of fruits and vegetables: Citrus and other subtropical fruits. Dean H. Rose, Charles Brooks, C. O. Bratley, and J. R. Winston, Bureau of Plant Industry, Soils, and Agricultural Engineering. 57 p., illus. (M. P. 498M.) Price 70¢. For sale only.

Fungi reported on species of *Medicago*, *Melilotus*, and *Trifolium*. S. J. P. Chilton, Louisiana State University; L. Henson, Kentucky Agricultural Experiment Station; and H. W. Johnson, Bureau of Plant Industry, Soils, and Agricultural Engineering. 152 p. (M. P. 499M.) Price 20¢.

Louisiana forest resources and industries. R. K. Winters, G. B. Ward, Jr., and I. F. Eldredge, Forest Service. 44 p., illus. (M. P. 519M.) Price 25¢.

Commercial dehydration of vegetables and fruits in wartime. Agricultural Research Administration. 29 p., illus. (M. P. 524M.)

SERVICE AND REGULATORY ANNOUNCEMENTS

Bureau of Animal Industry. Service and regulatory announcements. June 1943. Pp. 37-43. (S. R. A.-B. A. I. 434); July 1943. Pp. 45-50. (S. R. A.-B. A. I. 435). Price 5¢ a copy, 25¢ a year.¹

Bureau of Entomology and Plant Quarantine. Amendment No. 4 to the regulations governing the importation of potatoes into the United States. Effective June 15, 1943. 2 p. (B. E. P. Q.—Potato Regs.)²

OTHER PUBLICATIONS

Handbook for workers in school-lunch programs, with special reference to volunteer service. Food Distribution Administration. 30 p. (NFC-3). Let's talk about farm labor for the wartime job. Bureau of Agricultural Economics in cooperation with Extension Service. (DS23). Folder.

National wartime nutrition guide. War Food Administration. (NFC-4). Folder.

¹ Payable to the Superintendent of Documents, Government Printing Office, Washington, D. C.

² These may be obtained from the issuing bureau.

- Physical land conditions in the Brown-Marshall Soil Conservation District, South Dakota.** L. E. Johnson, Soil Conservation Service. 25 p., illus. (Physical Land Survey No. 29). Price 20¢. For sale only.
- Planning meals for industrial workers.** Food Distribution Administration. 28 p. (NFC-2).

AGRICULTURAL WAR INFORMATION

- Insecticides are ammunition: Use them wisely.** Bureau of Entomology and Plant Quarantine and Extension Service. (AWI-40). Folder.
- Green vegetables in wartime meals.** Bureau of Human Nutrition and Home Economics. (AWI-54). Folder.
- How to make standard containers from second-hand boxes.** Food Distribution Administration. (AWI-56). Folder.
- Mr. Farmer—Send your logs to war.** Forest Service and Extension Service. (AWI-57). Folder.
- Oven drying, one way to save victory garden surplus.** Bureau of Human Nutrition and Home Economics. (AWI-59). Folder.
- To the American wheat farmer.** Agricultural Adjustment Agency. (AWI-60). Folder.
- Canning tomatoes.** Bureau of Human Nutrition and Home Economics. (AWI-61). Folder.

PERIODICALS

Free distribution of periodicals is definitely restricted. They may be obtained by purchase or subscription from the Superintendent of Documents.

- Agriculture decisions.** Vol. 2, No. 6, June 1943. Price 15¢ a copy; \$1.50 a year.¹
- Agriculture in the Americas.** Vol. 3, No. 7, July 1943; No. 8, August 1943; No. 9, September 1943. Illus. Price 10¢ a copy; 75¢ a year, domestic; \$1.20 a year, foreign.¹

Bibliography of agriculture. Vol. 8, No. 1, July 1943; No. 2, August 1943.

Beginning with the July 1943 issue, Sections A-F of the Bibliography of Agriculture are combined and are issued as a single monthly publication. Its scope has been broadened to include human nutrition, the animal industry and other agricultural subjects not previously covered in our current lists.

Free distribution is limited to Federal, State, and other public agencies. Those to whom free copies cannot be supplied may purchase this publication from the Superintendent of Documents, Washington, D. C. Subscription price, \$3.75 per year. Single copies may be obtained for 85 cents.

Consumers' Guide. Vol. 9, No. 9, August 1943. Limited free distribution. 5¢ a copy, 50¢ a year, domestic; 70¢, foreign.¹

Crops and markets. Vol. 20, No. 8, July 1943. Price 10¢ a copy; 30¢ a year, domestic; 45¢ a year, foreign.¹ Quarterly.

Experiment station record. Vol. 87, Index number. July-December 1942. Vol. 89, No. 8, September 1943. Price \$1 per volume, domestic (2 volumes a year) consisting of 6 monthly numbers and index; \$1.75 per volume, foreign. Single numbers for sale only. Price 15¢.¹

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Farmers' Bulletins	AWI	Other publications

— Vol. 67, No. 3. August 1, 1943. Illus. Contents:

Relation between parasitization of twig-infesting larvae of the oriental fruit moth and subsequent infestation of ripe peaches (K-326). H. W. Allen.

Thiamine in crown gall and measured with the *Phycomyces* assay (Wis.-140). Berch W. Henry, A. K. Riker, and B. M. Duggar.

Hardwood invasion in pine forests of the Piedmont Plateau (F-98). Leonard I. Barrett and Albert A. Downs.

— Vol. 67, No. 4. August 15, 1943. Illus. Contents:

Life history and distribution of *Pythium* and *Rhizoctonia* in relation to damping-off of red pine seedlings (Wis.-137). L. F. Roth and A. J. Riker.

Solar radiation and forest fuel moisture (F-100). George M. Byram and George M. Jemison.

— Vol. 67, No. 5, September 1, 1943. Illus. Contents:

A primary cause of darkening in boiled potatoes as revealed by greenhouse cultures (Wis.-141). W. E. Tottingham, Rudolph Nagy, A. Frank Ross, Jerry W. Marek, and Carl O. Clagett.

Environmental, breeding, and inheritance studies of hydrocyanic acid in *Sorghum vulgare* var. *sudanense* (Wis.-144). Peter G. Hogg and H. L. Ahlgren.

Stand irregularity and its relation to the yields of sweet corn (Ill.-77). W. A. Huelsen.

News for farmer cooperatives. Vol. 10, No. 5. August 1943. Price 10¢ a copy; \$1.00 a year, domestic.³

Rural electrification news. Vol. 8, No. 12, August 1943. Price 10¢ a copy; 75¢ a year, domestic; \$1.50 a year, foreign.¹

Soil conservation. Index to Volume 8. July 1942 to June 1943. Vol. 9, No. 2, August 1943. Price 10¢ a copy; \$1 a year, domestic; \$1.50 a year, foreign.¹

HOME STORAGE OF VEGETABLES AND FRUITS

Conservation of food by the home storage of vegetables and fruits is an economy of prime importance in wartime. Such products can be stored most economically when grown in sufficient quantities at home to supply the needs of the family. They can also be stored to some extent by those who have to purchase them on the market.

Attempts to store crops available in summer or early fall are not likely to be successful, chiefly because the weather then is too warm and conditions can not readily be furnished that will keep the produce from spoiling. Much better results will be obtained by waiting until late fall and using crops that mature at that time.

When cooler weather comes, the staples that can be put away with good assurance that they will be available, and edible, for winter use are apples, cabbage, root crops, potatoes, onions, sweetpotatoes, pumpkins, squash, and dry beans and peas. Apples, cabbage, root crops, and potatoes require a moderately cool, moderately moist place such as a storage cellar or an outdoor pit or trench. On account of their odor, turnips and cabbage should not be kept in a basement storage room. Apples should be stored by themselves because of their tendency to absorb odors from other produce and so acquire unpleasant flavors. Potatoes should not be exposed to light. Onions should keep well in any cool, dry place where there is no danger of freezing. Pumpkins and squash can be stored satis-

¹ Payable to the Superintendent of Documents, Government Printing Office, Washington, D. C.

³ May be obtained from Farm Credit Administration, Kansas City, Mo.

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factorily in a moderately cool, fairly dry cellar or basement. Sweetpotatoes do best in moderately dry, warm conditions such as would be obtained by placing them near the furnace. Dry beans and peas can be kept in the attic or any other cool, dry place. All produce intended for storage should be handled carefully and all injured or decaying specimens should be removed at the time of storing. Precautions against freezing are necessary, of course, for all fruits and vegetables stored in the fresh state.

It is not possible even in cold storage to hold peaches, tomatoes, peppers, eggplants, and the more common types of watermelons and muskmelons in satisfactorily edible condition for more than about a month. For some of these the maximum storage period in a home basement or outdoor cellar would be only a few days and for others possibly two weeks. Late in the fall, tomatoes can be kept fairly well for a few weeks by pulling the vines and hanging them in a dry, moderately light place. The ripe fruits can be used at once, and the mature green ones will eventually color and become edible.

Detailed directions for handling fruits and vegetables that can be stored at home, both on the farm and in cities and towns, are given in Farmers' Bulletin No. 1939, "Home Storage of Vegetables and Fruits," which can be obtained by writing the Office of Information, Department of Agriculture, Washington, D. C.

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HOME HOUR**

Monday through Friday over stations associated with the BLUE Network.

12:30 p. m., Eastern War Time.
11:30 a. m. Central War Time.
10:30 a. m. Mountain War Time.
6:15 a. m. Pacific War Time.

(In California, Oregon, and Washington the early morning broadcasts are the programs presented the previous day in other parts of the country.) The National Farm and Home Hour is available to all BLUE Network stations.

LISTEN TO CONSUMER TIME

Saturday over stations associated with the NATIONAL BROADCASTING COMPANY.

12:15 p. m. Eastern War Time.
11:15 a. m. Central War Time.
10:15 a. m. Mountain War Time.
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Consumer Time is available to all NBC stations. Consult radio schedule in your newspaper for stations carrying the program.

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FARMERS' BULLETINS

Marketing poultry. Rob R. Slocum, Food Distribution Administration. 40 p., illus. (F. B. 1377F., rev.) Price 10¢.

Terracing for soil and water conservation. C. L. Hamilton, Soil Conservation Service. 60 p., illus. (F. B. 1789F., rev.) Price 10¢.

A B C's of mending. Clarice L. Scott and Bess Viemont Morrison, Bureau of Human Nutrition and Home Economics. 23 p., illus. (F. B. 1925F., rev.) Price 10¢.

Preservation of vegetables by salting or brining. John L. Etchells, Bureau of Agricultural and Industrial Chemistry, Raleigh, N. C.; and Ivan D. Jones, Department of Horticulture, North Carolina Agricultural Experiment Station, Raleigh, N. C. 14 p., illus. (F. B. 1932F.) Price 5¢.

Tomato diseases. S. P. Doolittle, Bureau of Plant Industry, Soils, and Agricultural Engineering. 83 p., illus. (F. B. 1934F.) Price 15¢.

TECHNICAL BULLETINS

Experiments with oils and lime-sulphur for the control of the San Jose scale on peach trees in the South. Oliver I. Snapp and J. R. Thomson, Jr., Bureau of Entomology and Plant Quarantine. 12 p. (T. B. 852T.) Price 5¢.

CIRCULARS

Harvest sprays for the control of fruit drop. L. P. Batjer, Bureau of Plant Industry, Soils, and Agricultural Engineering. 16 p., illus. (Cir. 685C.) Price 5¢.

MISCELLANEOUS PUBLICATIONS

Changes in the National Poultry Improvement Plan. Prepared by specialists of the Bureau of Animal Industry, Agricultural Research Administration, in cooperation with delegates from participating States at the 1942 conference, and the Emergency Executive Committee at its 1943 meeting. 7 p. (Sup. rev., to M. P. 300, rev. 1941). 5¢.

Swine breeding research at the Regional Swine Breeding Laboratory. W. A. Craft, Bureau of Animal Industry, in cooperation with the agricultural experiment stations of Illinois, Indiana, Iowa, Kansas, Michigan, Minnesota, Missouri, Nebraska, North Dakota, Ohio, Oklahoma, South Dakota, and Wisconsin. 14 p., illus. (M. P. 523M.) Price 5¢.

SOIL SURVEYS

New Hampshire, Coos County. (No. 5, Series 1937). 99 p., illus. Price 85¢.

SERVICE AND REGULATORY ANNOUNCEMENTS

Quarantine and other official announcements. Announcements relating to Japanese beetle quarantine No. 48. Service and regulatory announcements. April-June 1943. Bureau of Entomology and Plant Quarantine. Pp. 17-24. (S. R. A.-B. E. P. Q. 155).¹

OTHER PUBLICATIONS

BAE Ext Flier-7. Soybeans go to war. Folder.

5. American farmers and the United Nations Conference on Food and Agriculture. The Farmer and the War. Bureau of Agricultural Economics. 12 p. Price 5¢.

Lunch at school. War Food Administration. (NFC-9). Folder.

Report on the agricultural experiment stations, 1942. J. T. Jardine. 122 p. Price 20¢.

The tenth annual report of the Farm Credit Administration, 1942. A. G. Black. 119 p., illus. Price 20¢ (paper).³

AGRICULTURAL WAR INFORMATION

Forage for fall feeding. Bureau of Plant Industry, Soils, and Agricultural Engineering. (AWI-62). Folder.

Preparing home-grown vegetables and fruits for freezing. Bureau of Agricultural and Industrial Chemistry. (AWI-63). Folder.

Why feed the insects? Extension Service and Bureau of Entomology and Plant Quarantine. (AWI-64). Folder.

Cut victory timber but cut it wisely. Forest Service and Extension Service. (AWI-66). Folder.

Legume cover crops to boost production in the South. Roland McKee, Bureau of Plant Industry, Soils, and Agricultural Engineering. (AWI-67). Folder.

PERIODICALS

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Agricultural situation. Vol. 27, No. 8, August 1943; No. 9, September 1943. Price 5¢ a copy; 50¢ a year, domestic; 70¢ a year, foreign.²

Bibliography of agriculture. Vol. 3, No. 3, September 1943. Limited free distribution. 35¢ a copy; \$3.75 a year, domestic; 45¢ a copy; \$4.75 a year, foreign.²

Consumers' Guide. Vol. 9, No. 10. September 1943. Limited free distribution. 5¢ a copy, 50¢ a year, domestic; 70¢, foreign.²

Experiment station record. Vol. 89, No. 4, October 1943. Price \$1 per volume (2 volumes a year) consisting of 6 monthly numbers and index; \$1.75 per volume, foreign. Single numbers for sale only. Price 15¢.²

Extension service review. Vol. 14, No. 9, September 1943. Illus. Price 10¢ a copy; \$1.00 a year, domestic; \$1.40 a year, foreign.²

Foreign agriculture. Vol. 7, No. 9, September 1943. Illus. Price 10¢ a copy; \$1.00 a year, domestic; \$1.60 a year, foreign.²

Journal of agricultural research. Price \$3.25 a year, domestic; \$4.75 a year, foreign. Each issue, 15¢, domestic; 20¢, foreign. Separates, 5¢, domestic; 8¢ foreign.² Not distributed free to individuals.

Of primary interest to agricultural scientists and advanced students only. Issued in 2 volumes a year of 12 numbers each. Free distribution is limited to certain libraries and to institutions or departments doing research work.

Separates. A small supply of each separate is given to the originating bureau or station for its staff, cooperators, and for such other distribution as can be made. Others interested may purchase copies from the Superintendent of Documents, Washington, D. C., at 5¢ each. The Office of Information has none for general distribution.

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Farmers' Bulletins	AWI	Other publications

— Vol. 66, Index. January 1-June 15, 1943.

— Vol. 67, No. 6. September 15, 1943. Illus. Contents:

Type of seed formation as indicated by the nature and extent of variation in Kentucky bluegrass, and its practical implications (G-1285). William H. Brittingham.

Cleistogamy and the development of the embryo sac in *Lespedeza stipulacea* (G-1291). Clarence H. Hanson.

Land policy review. Vol. 6, No. 3, for Fall 1943. Price 10¢ a copy; 30¢ a year, domestic; 45¢ a year, foreign.² Quarterly.

News for farmer cooperatives. Vol. 10, No. 5, August; No. 6, September, 1943. Price 10¢ a copy; \$1.00 a year, domestic.³

Rural electrification news. Vol. 9, No. 1, September 1943. Price 10¢ a copy; 75¢ a year, domestic; \$1.50 a year, foreign.²

Soil conservation. Vol. 9, No. 3, September 1943. Price 10¢ a copy; \$1 a year, domestic; \$1.50 a year, foreign.²

FOOD FOR FREEDOM MONTH

The month of November has been designated as "Food For Freedom Month" as part of a long-range educational program on food sponsored by the War Food Administration in cooperation with the Office of War Information, the Office of Price Administration, and the War Advertising Council.

The "Food Fights For Freedom" program is essentially a program of helping people to understand why it is important for each individual to produce, conserve, share, and play square with food. The program erects a background of general information on the food situation, so that people will have a better understanding of why they are being asked to meet farm goals, grow Victory Gardens, can food at home, eat the right food, and not waste food.

It is vitally essential that all Americans continue to do all of the things necessary to make food fight, and in the belief that they will do so if they have the facts, November will signalize the opening of an educational program to bring to every man, woman and child the facts about our food.

The facts about our food supply which every American should know include facts about the amount of food we produce, the amount of food that goes to civilians, the armed services and our allies, the effect of increased purchasing power on our food supply, the amount of food wasted every year, the necessity for rationing and price control, and the need for being ready to accept constant change in our diet.

If every American gains a deeper appreciation of these facts, he will be in a position to take these actions more readily:

1. Produce more foods of the right kinds.
2. Conserve food, avoid waste.
3. Eat the right foods.
4. Substitute plentiful for scarce foods.
5. Share food cheerfully. Accept no rationed foods without giving up ration stamps.

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³ May be obtained from Farm Credit Administration, Kansas City, Mo.

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6. Help keep food costs down by paying only legal prices.
7. Take part in community food projects by serving on the nutrition committee, the ration board, the Victory Garden Club, or the community canning center.

The task of educating people in the reasons why they need to take these actions gets under way in November through the newspapers, magazines, radio stations, outdoor-advertising facilities, and the governmental and private community organizations.

All of these facilities will concentrate on the job of giving people more background information on food, and will ask people to help make food fight for freedom by doing these our things:

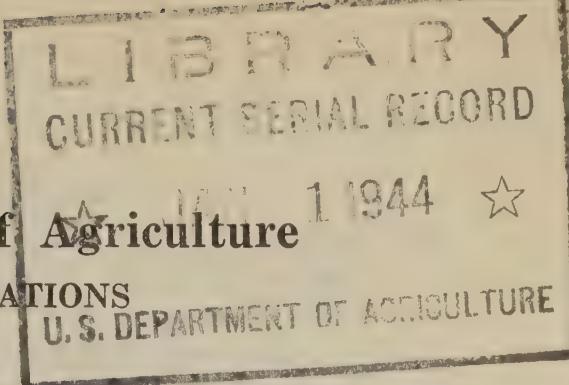
1. Study the facts about the use of American food in wartime.
2. Help in the task of making each individual in the community conscious of the role he or she can play in the battle of food by taking on the responsibility of acquainting them with the facts about food. The citizens' food information committees include community service members of the War Price and Ration Boards, Nutrition Committee chairmen and Consumer Interest Committee chairman of the Local Defense Councils. Guided by information available in the Community Mobilization Handbook, these people will organize citizens' food committees to undertake the educational job on food. They will be vitally in need of help.
3. Pick up at the nearest retail food store and post in the kitchen a copy of the official pin-up chart which will serve as a daily reminder.
4. Make this Thanksgiving more of an occasion for expressing gratitude for our food and giving thanks that there is enough food to fight for freedom.

AVAILABLE PUBLICATIONS RELATING TO “FOOD FIGHTS FOR FREEDOM” PROGRAM

- AWI-2. Vitamins from farm to you.
- AWI-3. Fight food waste in the home.
- AWI-16. Cheese in your meals.
- AWI-34. Fats in wartime meals.
- AWI-47. Dried peas and beans in wartime meals.
- AWI-54. Green vegetables in wartime meals.



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FARMERS' BULLETINS

Kudzu as a farm crop. Roland McKee and J. L. Stephens, Bureau of Plant Industry, Soils, and Agricultural Engineering. 13 p., illus. (F. B. 1923F.) Price 5¢.

Mormon crickets and their control. F. T. Cowan, H. J. Shipman, and Claude Wakeland, Bureau of Entomology and Plant Quarantine. 17 p., illus. (F. B. 1928F.) Price 10¢.

Grow disease-resistant oats. T. R. Stanton and F. A. Coffman, Bureau of Plant Industry, Soils, and Agricultural Engineering. 13 p., illus. (F. B. 1941F.) Price 5¢.

Diseases of sheep and goats. Maurice S. Shahan and Ward T. Huffman, Bureau of Animal Industry. 59 p., illus. (F. B. 1943F.) Price, 10¢.

Disease-resistant and hardy oats for the South. T. R. Stanton and F. A. Coffman, Bureau of Plant Industry, Soils, and Agricultural Engineering. 10 p., illus. (F. B. 1947F.) Price, 5¢.

LEAFLETS

Screwworm control. W. E. Dove, Bureau of Entomology and Plant Quarantine. 6 p., illus. (Leaf. 162L., rev.) Price 5¢.

Control of mesquite on southwestern ranges. Kenneth W. Parker, Forest Service. 8 p. illus. (Leaf. 234L.) Price 5¢.

TECHNICAL BULLETINS

Life history and control of the tomato pinworm. John C. Elmore and A. F. Howland, Bureau of Entomology and Plant Quarantine. 30 p., illus. (T. B. 841T.) Price 10¢.

Deterioration of fire-killed Douglas-fir. J. W. Kimmey, Agricultural Engineering; and R. L. Furniss, Bureau of Entomology and Plant Quarantine. 61 p., illus. (T. B. 851T.) Price 15¢.

Studies of methyl bromide in greenhouse and vault fumigation. Henry H. Richardson, A. C. Johnson, J. W. Bulger, A. H. Casanges, and G. V. Johnson, Bureau of Entomology and Plant Quarantine. 20 p., illus. (T. B. 853T.) Price 5¢.

The beet leafhopper and its control on beets grown for seed in Arizona and New Mexico. Van E. Romney, Bureau of Entomology and Plant Quarantine. 24 p., illus. (T. B. 855T.) Price 10¢.

Effects of phosphorus supplements on cattle grazing on range deficient in this mineral. W. H. Black and L. H. Tash, Bureau of Animal Industry; J. M. Jones, Texas Agricultural Experiment Station; and R. J. Kleberg, Jr., cooperator in beef-cattle investigations and president of the King Ranch. 23 p., illus. (T. B. 856T.) Price 10¢.

Design and operation of small irrigation pumping plants. Carl Rohwer, Soil Conservation Service. 78 p., illus. (Cir. 678C.) Price 15¢.

Production and fertilizer use of urea. Albert R. Merz and Bailey E. Brown, Bureau of Plant Industry, Soils, and Agricultural Engineering. 18 p. (Cir. 679C.) Price 5¢.

Sampling fleeces for determining average wool fineness. John I. Hardy and Harold W. Wolf, Bureau of Animal Industry. 8 p., illus. (Cir. 680C.) Price 5¢.

Spring dwarf and summer dwarf of strawberries. J. R. Christie, Bureau of Plant Industry, Soils, and Agricultural Engineering. 10 p., illus. (Cir. 681C.) Price 5¢.

Strains of flue-cured tobacco resistant to black shank. James F. Bullock, Bureau of Plant Industry, Soils, and Agricultural Engineering; and E. G. Moss, Bureau of Plant Industry, Soils, and Agricultural Engineering and North Carolina Agricultural Experiment Station and Department of Agriculture. 9 p., illus. (Cir. 682C.) Price 5¢.

MISCELLANEOUS CIRCULARS

A handbook for better feeding of livestock. Paul E. Howe and Harold M. Harshaw, Bureau of Animal Industry; and T. E. Woodward, Bureau of Dairy Industry. 71 p., illus. (M. C. 12MC., rev.) Price 10¢.

MISCELLANEOUS PUBLICATIONS

Improving poultry through the National Poultry Improvement Plan. Paul B. Zumbro, Melvin W. Buster, and J. D. Sykes, Bureau of Animal Industry. 12 p., illus. (M. P. 317M., rev.) Revised by Paul B. Zumbro, Frank E. Moore, and Albert B. Godfrey, Bureau of Animal Industry. Price 5¢.

The control of reservoir silting. Carl B. Brown, Soil Conservation Service. 166 p., illus. (M. P. 521M.) Price 25¢.

SERVICE AND REGULATORY ANNOUNCEMENTS

Bureau of Animal Industry. Service and regulatory announcements. August 1943. Pp. 51-58. (S. R. A.-B. A. I. 436.) Price 5¢ a copy; 25¢ a year.¹

Amendment No. 5 to the regulations governing the importation of potatoes into the United States. Revision of regulation 7, effective September 1, 1943. Chapter III. Bureau of Entomology and Plant Quarantine. Part 321, restricted entry orders. Subpart. Foreign potatoes. (B. E. P. Q.-Potato Regs.)²

OTHER PUBLICATIONS

Democracy means all of us. How communities can organize to study and meet community needs with special suggestions for developing nutrition programs in wartime. Food Distribution Administration. 30 p. (NFC-6, rev.) Price 10¢.

Derris culture in Puerto Rico. Rufus H. Moore, Puerto Rico Experiment Station. 17 p., illus. (P. R. Cir. 24C.) Price 10¢.

Eat a lunch that packs a punch! Food Distribution Administration (NFC-8). Folder. Price 5¢ a copy; \$1 a hundred. For sale only.

Farm bookkeeping and the Federal income tax. Bureau of Agricultural Economics and Extension Service. Revision. 14 p.

Menu-planning guide for school lunches based on FDA requirements for type A and type B lunches. Food Distribution Administration. 29 p. (NFC-10). Price 10¢.

Nutrition education in the elementary school. Federal Security Agency, United States Office of Education, in cooperation with Food Distribution Administration. 35 p., illus. (Nutrition Education Series Pamphlet No. 1.) 35 p., illus. Price 15¢.

The food we live by. Food Distribution Administration. 14 p., illus. (NFC-5, rev.) Price 5¢.

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Farmers' Bulletins	AWI	Other publications

Your employees are no better than the food they eat! War Food Administration. (NFC-7.) [10] p., illus.

AGRICULTURAL WAR INFORMATION

4-H . . . and the war. Extension Service. (AWI-51). Folder.

Take care of pressure canners. Bureau of Human Nutrition and Home Economics. (AWI-65.) Folder.

Smokehouses and hog slaughtering equipment. J. W. Simons and George L. Edick, Bureau of Plant Industry, Soils, and Agricultural Engineering. (AWI-68.) Folder.

Save weather-damaged soybeans. J. L. Cartter, Bureau of Plant Industry, Soils, and Agricultural Engineering. (AWI-71.) Folder.

Produce more meat, milk and leather with no more feed by controlling cattle grubs. Extension Service and Bureau of Entomology and Plant Quarantine. (AWI-72.) Folder.

Cooking with soya flour and grits. Bureau of Human Nutrition and Home Economics. (AWI-73.) 16 p.

PERIODICALS

Free distribution of periodicals is definitely restricted. They may be obtained by purchase or subscription from the Superintendent of Documents.

Agriculture decisions. Vol. 2, No. 7, July 1943. Price 15¢ a copy; \$1.50 a year.¹

Agriculture in the Americas. Vol. 3, No. 10, October 1943. Illus. Price 10¢ a copy; 75¢ a year, domestic; \$1.20 a year, foreign.¹

Bibliography of agriculture. Vol. 3, No. 4, October 1943. Limited free distribution. 35¢ a copy; \$3.75 a year, domestic; 45¢ a copy; \$4.75 a year, foreign.¹

Consumers' Guide. Vol. 9, No. 11. October 1943; No. 12. November 1943. Limited free distribution. 5¢ a copy, 50¢ a year, domestic; 70¢, foreign.¹

Experiment station record. Vol. 89, No. 5, November 1943. Price \$1 per volume (2 volumes a year) consisting of 6 monthly numbers and index; \$1.75 per volume, foreign. Single numbers for sale only. Price 15¢.¹

Extension service review. Vol. 14, No. 10, October 1943. Illus. Price 10¢ a copy; \$1.00 a year, domestic; \$1.40 a year, foreign.¹

Fire control notes. Index. December 1936 to July 1942, inclusive. Last issue. Discontinued for duration.⁴

Foreign agriculture. Vol. 7, No. 10, October 1943. Illus. Price 10¢ a copy; \$1.00 a year, domestic; \$1.60 a year, foreign.¹

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⁴ Apply to Forest Service.

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Journal of agricultural research. Price \$3.25 a year, domestic; \$4.75 a year, foreign. Each issued, 15¢, domestic; 20¢, foreign. Separates, 5¢, domestic; 8¢ foreign.¹ Not distributed free to individuals.

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— Vol. 67, No. 8, October 15, 1943. Illus. Contents:

Two new virus diseases of beans (G-1290). W. J. Zaumeyer and L. L. Harter.

Physiological aspects of tetraploidy in cabbage (Mich.-40). C. G. Barr and E. H. Newcomer.

News for farmer cooperatives. Vol. 10, No. 7, October 1943. Price 10¢ a copy: \$1.00 a year, domestic.²

Rural electrification news. Vol. 9, No. 2, October 1943. Price 10¢ a copy; 75¢ a year, domestic; \$1.50 a year, foreign.¹

Soil conservation. Vol. 9, No. 4, October 1943. Price 10¢ a copy; \$1 a year, domestic; \$1.50 a year, foreign.¹

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12:30 p. m., Eastern War Time.
11:30 a. m., Central War Time.
10:30 a. m., Mountain War Time.
6:15 a. m., Pacific War Time.

(In California, Oregon, and Washington the early morning broadcasts are the programs presented the previous day in other parts of the country.) The National Farm and Home Hour is available to all **BLUE Network** stations.

LISTEN TO CONSUMER TIME

Saturday over stations associated with the **NATIONAL BROADCASTING COMPANY**.
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11:15 a. m., Central War Time.
10:15 a. m., Mountain War Time.
9:15 a. m., Pacific War Time.

Consumer Time is available to all NBC stations. Consult radio schedule in your newspaper for stations carrying the program.



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MONTHLY LIST OF PUBLICATIONS

NOVEMBER 1943

U. S. DEPARTMENT OF AGRICULTURE

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FARMERS' BULLETINS

Growing barley for malt and feed. H. V. Harlan and G. A. Wiebe, Bureau of Plant Industry, Soils, and Agricultural Engineering. 19 p., illus. (F. B. 1732F, rev.) Price 10¢.

Reseeding to increase the yield of Montana range lands. L. R. Short, Forest Service. 26 p., illus. (F. B. 1924F.) Price 10¢.

LEAFLETS

Preventing insect damage in home-dried fruits. Perez Siminons, Bureau of Entomology and Plant Quarantine. 4 p. (Leaf. 235L.) Price 5¢.

Preventing damage to commercial dried fruits by the raisin moth. Heber C. Donohoe, Perez Simmons, Dwight F. Barnes, George H. Kaloostian, and Charles K. Fisher, Bureau of Entomology and Plant Quarantine. 6 p., illus. (Leaf. 236L.) Price 5¢.

TECHNICAL BULLETINS

Life history and habits of the peachtree borer in the Southeastern States. Oliver I. Snapp and J. R. Thomson, Bureau of Entomology and Plant Quarantine. 24 p., illus. (T. B. 854T.) Price 10¢.

CIRCULARS

Winter storage of strawberry plants. Mark H. Haller, Bureau of Plant Industry, Soils, and Agricultural Engineering. 16 p., illus. (Cir. 669C.) Price 5¢.

A key to pea varieties. B. L. Wade, Bureau of Plant Industry, Soils, and Agricultural Engineering. 12 p., illus. (Cir. 676C.) Price 5¢.

Effectiveness of wood preservatives in preventing attack by termites. Thomas E. Snyder and James Zetek, Bureau of Entomology and Plant Quarantine. 24 p., illus. (Cir. 683C.) Price 10¢.

Studies on nicotine fumigation in greenhouses. Henry H. Richardson, J. W. Bulger, R. L. Busbey, R. H. Nelson, and C. A. Weigel, Bureau of Entomology and Plant Quarantine. 15 p., illus. (Cir. 684C.) Price 10¢.

Fungicidal control of South American leaf blight of hevea rubbertrees. M. H. Langford, Bureau of Plant Industry, Soils, and Agricultural Engineering. 20 p., illus. (Cir. 686C.) Price 10¢.

The hessian fly and its control by late sowing of wheat in Oklahoma and Arkansas. J. R. Horton, E. T. Jones, and F. M. Wadley, Bureau of Entomology and Plant Quarantine. 10 p. (Cir. 687C.) Price 5¢.

Farm adjustments and income on typical Corn Belt farms. Wylie D. Goodsell, Bureau of Agricultural Economics. 59 p., illus. (Cir. 688C.) Price 10¢.

Fertilizer consumption in 1941 and trends in usage. A. L. Mehring and Grace P. Vincent, Bureau of Plant Industry, Soils, and Agricultural Engineering. 55 p., illus. (Cir. 689C.) Price 10¢.

The farm real estate situation 1942-43. M. M. Regan, Fred A. Clarenbach, and A. R. Johnson, Bureau of Agricultural Economics. 46 p., illus. (Cir. 690C.) Price 10¢.

MISCELLANEOUS PUBLICATIONS

Techniques of fishpond management. Lawrence V. Compton, Soil Conservation Service. 22 p., illus. (M. P. 528M.) Price 10¢.

Range and livestock production practices in the Southwest. Department of Agriculture and Department of Interior, in cooperation with New Mexico College of Agriculture and Mechanic Arts and the University of Arizona. [22] p. illus. (M. P. 529M.) Price 10¢.

To the members of the Department of Agriculture. A handbook for your information. Office of Personnel. 42 p., illus. (M. P. 532M.) Distribution by allotment to Bureaus.

SERVICE AND REGULATORY ANNOUNCEMENTS

Bureau of Animal Industry. Service and regulatory announcements. September 1943. Pp. 59-62. (S. R. A.-B. A. I. 437.) Price 5¢ a copy; 25¢ a year.¹

Prevention of animal diseases: Cooperation with States. October 16, 1943. Effective November 1, 1943. Bureau of Animal Industry. 4 p. (B. A. I. Order 376.)²

Regulations (other than rules of practice) of the War Food Administrator for the enforcement of the Perishable Agricultural Commodities Act, 1930, as amended. Service and regulatory announcements No. 121. Food Distribution Administration. 23 p. (S. R. A.—F. D. A. 121.)²

Notices of judgment under the Insecticide Act. Nos. 1841-1870. Food Distribution Administration. Pp. 553-570. (N. J., I. F. 1841-1870.)²

OTHER PUBLICATIONS

A summary of the literature on milkweeds (*Asclepias spp.*) and their utilization. A. Geraldine Whiting, Department Library. 41 p. (Bib. Bull. 2). Price 10¢.

Cotton quality statistics United States, 1942-43. Food Distribution Administration. 58 p. (CS-5). Price 15¢.

Dairy and poultry market statistics, 1942. Food Distribution Administration. 48 p. (CS-4). Price 15¢.

Index to publications of the United States Department of Agriculture 1936-1940. Mary A. Bradley, Office of Information. 763 p. Price \$1.50.

Informe de la estación experimental de Puerto Rico, 1941. 27 p.³

Livestock, meats, and wool market statistics and related data 1942. Compiled under direction of Edna M. Jordan, Food Distribution Administration. (CS-3). 100 p.

The conservation of food. I. In the home. War Food Administration in cooperation with Office of War Information. 14 p.

AGRICULTURAL WAR INFORMATION

Protect home-cured meat from insects. Extension Service and Bureau of Entomology and Plant Quarantine. (AWI-32). Folder.

Kitchen intruders. Extension Service and Bureau of Entomology and Plant Quarantine. (AWI-70). Folder.

Southwestern stockman—Play to win! Kenneth W. Parker, Forest Service. 15 p., illus. (AWI-74).

Tobacco blue mold control. E. E. Clayton, Bureau of Plant Industry, Soils, and Agricultural Engineering. [12] p., illus. (AWI-77.).

THE FARMER AND THE WAR

6. Negro farmers in wartime food production. The Farmer and the War. [14] p., illus. Price 5¢.

PERIODICALS

Free distribution of periodicals is definitely restricted. They may be obtained by purchase or subscription from the Superintendent of Documents.

Agricultural situation. Vol. 27, No. 10, October 1943. Price 5¢ a copy; 50¢ a year, domestic; 70¢ a year, foreign.¹

Agriculture decisions. Vol. 2, No. 8, August 1943. No. 9, September 1943. Price 15¢ a copy; \$1.50 a year.¹

Agriculture in the Americas. Vol. 3, No. 11, November 1943. No. 12, December 1943. Illus. Price 10¢ a copy, 75¢ a year, domestic; \$1.20 a year, foreign.¹

Bibliography of agriculture. Vol. 3, No. 5, November 1943. Limited free distribution. 35¢ a copy; \$3.75 a year, domestic; 45¢ a copy; \$4.75 a year, foreign.¹

Consumers' guide. Vol. 10, No. 1, December 1943. Limited free distribution. 5¢ a copy, 50¢ a year, domestic; 70¢, foreign.¹

Crops and markets. Vol. 20, No. 4, October 1943. Price 10¢ a copy; 30¢ a year, domestic; 45¢ a year, foreign.¹ Quarterly.

Experiment station record. Vol. 89, No. 6, December 1943. Price \$1 per volume (2 volumes a year) consisting of 6 monthly numbers and index; \$1.75 per volume, foreign. Single numbers for sale only. Price 15¢.¹

¹ Payable to the Superintendent of Documents, Government Printing Office, Washington, D. C.

² These may be obtained from the issuing bureau.

³ Apply to Office of Experiment Stations.

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Farmers' Bulletins	AWI	Other publications

Extension service review. Vol. 14, No. 11, November 1943. Illus. Price 10¢ a copy; \$1.00 a year, domestic; \$1.40 a year, foreign.¹

Foreign agriculture. Vol. 7, No. 11, November 1943. Illus. Price 10¢ a copy; \$1.00 a year, domestic; \$1.60 a year, foreign.¹

Journal of agricultural research. Price \$3.25 a year, domestic; \$4.75 a year, foreign. Each issued, 15¢, domestic; 20¢, foreign. Separates, 5¢, domestic; 8¢ foreign.¹ Not distributed free to individuals.

Of primary interest to agricultural scientists and advanced students only. Issued in 2 volumes a year of 12 numbers each. Free distribution is limited to certain libraries and to institutions or departments doing research work.

Separates. A small supply of each separate is given to the originating bureau or station for its staff, cooperators, and for such other distribution as can be made. Others interested may purchase copies from the Superintendent of Documents, Washington, D. C., at 5¢ each. The Office of Information has none for general distribution.

— Vol. 67, No. 7. Illus. Contents:

Influence of temperature, moisture, and soil reaction on the damping-off of red pine seedlings by *Pythium* and *Rhizoctonia* (Wis.-138). L. F. Roth and A. J. Riker.

Inheritance of symptom expression of bean mosaic virus 4 (G-1289). W. J. Zaumeyer and L. L. Harter.

The occurrence of citric and isocitric acid in blackberries and in dewberry hybrids (E-95). A. L. Curl and E. K. Nelson.

— Vol. 67, No. 9, November 1, 1943. Illus. Contents:

Studies of plum pollen, its appearance and germination (Tex.-25). W. S. Flory, Jr., and M. L. Tomes.

The effect of adding blackstrap molasses, potassium salts, sucrose, and corn sirup to a lamb-fattening ration (Okla.-30). H. M. Briggs and V. G. Heller.

— Vol. 67, No. 10. November 15, 1943. Illus. Contents:

Measurement of the resistance of peas to aphids (Wis.-143). C. D. Harrington, Ed. M. Searles, R. A. Brink, and C. Eisenhart.

Comparative ability of several species of *Lygus* and the say stinkbug to damage sugar beets grown for seed (K-330). Orin A. Hills.

Influence of various factors on the starch content of Kansas-grown potatoes and sweet-potatoes (Kans.-97). H. N. Barham, George Kramer, and G. Nathan Reed.

Effect of storage conditions on the viability of tobacco seed (Fla.-22). Randall R. Kincaid.

The excretion of arsenic by the malpighian tubes of *Galleria mellonella*, *Tenebrio molitor*, and *Rhodophora florida* (N. Y. (Cornell)-55). Robert L. Patton.

— Vol. 67, No. 11. December 1, 1943. Illus. Contents:

Seasonal development in the nursery of damping-off of red pine seedlings caused by *Pythium* and *Rhizoctonia* (Wis.-139). L. F. Roth and A. J. Riker.

Some chemical relations in the sugar beet during phases of its development (Ariz.-16). Ray C. Chandler.

Inheritance of size in Single-Comb White Leghorns (Calif.-134). I. Michael Lerner.

Length-of-day behavior of *Nicotiana gossei* (G-1301). H. A. Allard.

News for farmer cooperatives. Vol. 10, No. 8, November 1943. Price 10¢ a copy; \$1.00 a year, domestic.⁴

Rural electrification news. Vol. 9, No. 3, November 1943. Price 10¢ a copy; 75¢ a year, domestic; \$1.50 a year, foreign.¹

Soil conservation. Vol. 9, No. 5, November 1943; No. 6, December 1943. Price 10¢ a copy; \$1 a year, domestic; \$1.50 a year, foreign.¹

¹ Payable to the Superintendent of Documents, Government Printing Office, Washington, D. C.

⁴ May be obtained from Farm Credit Administration, Kansas City, Mo.

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11-43

FULL USE OF FARM MACHINERY AND EQUIPMENT

Proper care, servicing, and sharing of farm production and transportation equipment as an aid to meeting 1944 food production goals is the aim of a Nation-wide educational program being sponsored by the War Food Administration and other groups.

The goal of the program is the efficient maintenance and full use of farm machinery and equipment, transportation vehicles, and farm structures to obtain maximum food production with minimum use of labor, steel, petroleum supplies, building materials, rubber, and other critical materials.

The program calls for the full cooperation of farm-supply industries and dealers, and public and private agencies which come in touch with farmers. Programs directed at the "care, share, and repair" of farm equipment have been carried out for some months by farm-supply industries, Government agencies, and farmers themselves. The new educational program is designed to bring all such efforts "under one banner" to obtain best results in the critical months ahead.

The program to help farmers fully utilize their production and transportation equipment is part of the over-all Government campaign to promote the production, sharing, and proper use of food. Consequently, the same Food Fights for Freedom symbol is being used, but with a slogan "Keep Your War Equipment Fit and Fighting" to tie special activities together.

The program has eight specific objectives based on the following points:

1. Reaching food production goals in 1944 depends on full utilization of all available farm production and transportation equipment.
2. Farmers should constantly check, recheck, and adjust their equipment for maximum mechanical efficiency.
3. Farmers should check repair needs and order parts early so that delivery and installation can be completed before equipment is needed for operation, ordering only needed parts.
4. Farmers should pool the use of their equipment where possible.
5. It is important that the equipment be used at top efficiency on a time basis.
6. Farmers should sell surplus equipment or make it available for use when needed.
7. Farm buildings should be kept in good operating condition through repair maintenance.
8. Machinery should be thought of both as war equipment and multiple manpower which now must be used more efficiently to compensate for acute manpower shortages caused by war.

In addition to the War Food Administration, the Office of War Information, War Production Board, Office of Defense Transportation, Petroleum Administration for War, and U. S. Office of Education are cooperating in the program. Cooperating industry groups include those who supply farm machinery and equipment, petroleum supplies, farm buildings materials, farm vehicles, tires, and other farm production supplies.

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MONTHLY LIST OF PUBLICATIONS

DECEMBER 1943

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FARMERS' BULLETINS

These bulletins discuss in nontechnical language a wide variety of subjects pertaining to the farm and farm home.

The pea aphid on peas and methods for its control. J. E. Dudley, Jr., and T. E. Bronson, Bureau of Entomology and Plant Quarantine, in cooperation with Wisconsin Agricultural Experiment Station. 14 p., illus. (F. B. 1945F.) Price 5¢.

Lupines: New legumes for the South. Roland McKee, Bureau of Plant Industry, Soils, and Agricultural Engineering; and G. E. Ritchey, Florida Agricultural Experiment Station. 9 p., illus. (F. B. 1946F.) Price 5¢.

TECHNICAL BULLETINS

The Technical Bulletin series contains the results of scientific and research work applying to a special crop, industry, or locality. The editions are limited as they are intended primarily for scientific workers and subject-matter specialists.

Contribution to the morphology and anatomy of the Russian dandelion (*Taraxacum kok-saghyz*). Ernst Artschwager and Ruth C. McGuire, Bureau of Plant Industry, Soils, and Agricultural Engineering. 24 p., illus. (T. B. 843T). Price 10¢.

Stage icing in the refrigeration of oranges in transit from California. C. W. Mann, E. A. Gorman, Jr., and W. V. Hukill, Bureau of Plant Industry, Soils, and Agricultural Engineering. 37 p., illus. (T. B. 857T.) Price 10¢.

MISCELLANEOUS PUBLICATIONS

This series includes those publications of a miscellaneous nature which do not fall within any of the other series issued by the Department, particularly those of a size other than octavo. Such publications were formerly issued as Miscellaneous Circulars.

Insecticides and equipment for controlling insects on fruits and vegetables. N. F. Howard, C. A. Weigel, C. M. Smith, and L. F. Steiner, Bureau of Entomology and Plant Quarantine. 52 p., illus. (M. P. 526M.) Price 10¢.

Packing of cotton at gins for uniform density. Leonard J. Watson, Food Distribution Administration; and Victor L. Stedronsky, Bureau of Plant Industry, Soil, and Agricultural Engineering. 22 p., illus. (M. P. 527M.) Price 10¢.

A graphic summary of farm animals and animal products (based largely on the Census of 1940). Bureau of Agricultural Economics. 88 p., illus. (M. P. 530M.) Price 15¢.

Soybeans and soybean products as food. Marion Julia Drown, Agricultural Research Administration. 14 p., illus. (M. P. 534M.) Price 5¢.

School lunch recipes. Bureau of Human Nutrition and Home Economics. 48 p., illus. (M. P. 537M.) Price 10¢.

The school lunch recipes in this handbook are the work of home economics specialists. The recipes give quantities for 12, 25, or 50 servings and are not designed for use by the housewife or when smaller servings are desired. They are geared to fit Type A and Type B lunches as set up by Food Distribution Administration and school lunch managers will therefore wish to use this publication in conjunction with the previously issued Handbook for Workers in School Lunch Programs, NFC-3, and Menu-Planning Guide for School Lunches, NFC-10.

In preparing this publication the previously published school lunch recipes were adapted to fit wartime rationing and supplies of foods as nearly as possible.

SERVICE AND REGULATORY ANNOUNCEMENTS

Such notices of judgment, decisions and instructions as are necessary in the enforcement of regulatory acts are contained in these announcements. They are issued monthly or as necessary by certain bureaus. Free distribution is limited to persons in the employ of the Department, to public officials whose duties render it necessary for them to have such information, to journals especially concerned, and to manufacturers and firms whose business is affected by the announcements.

Bureau of Animal Industry. Service and regulatory announcements. October 1943. (S. R. A.-B. A. I. 438.) Pp. 63-69. Price 5¢, per copy; 25¢ a year.¹

Rule 1, revision 40—To prevent the spread of splenetic or tick fever in cattle. Effective December 1, 1943. Bureau of Animal Industry. 3 p. (B. A. I. Order 377.)²

Quarantine and other official announcements relating to Japanese beetle quarantine (No. 48). Service and regulatory announcements July-September 1943. Bureau of Entomology and Plant Quarantine. Pp. 25-35. (S. R. A.-B. E. P. Q. 156.)²

OTHER PUBLICATIONS

Directory of the Meat Inspection Division. Corrected to September 1, 1943. Food Distribution Administration. 38 p. Price 10¢.²

Easier typing. Office of Personnel. (A. S.-1.) Folder. Limited distribution to U. S. D. A. employees by allotment to Bureaus. Price 5¢ at G. P. O.¹

Missouri forests. Forest Service, in cooperation with Missouri Conservation Commission. 45 p., illus.²

Report of cooperative extension work in agriculture and home economics, 1943. M. L. Wilson. 19 p.

Report of the Chief of the Forest Service, 1943. Lyle F. Watts. 32 p. Price 10¢.

Report of the Librarian, 1943. Ralph R. Shaw. 7 p. Price 5¢.

Report of the President of the Commodity Credit Corporation, 1943. J. B. Hutson. 20 p. Price 10¢.

AGRICULTURAL WAR INFORMATION

An emergency series of publications which discuss in nontechnical language food production, nutrition, and related subjects pertaining to development of the Food for Freedom program.

The farmer grades his meat. War Food Administration. 21 p., illus. (AWI-69.)

Family food plans for good nutrition. Bureau of Human Nutrition and Home Economics. (AWI-78.) Folder.

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² These may be obtained from the issuing bureau.

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Farmers' Bulletins	AWI	Other publications

PERIODICALS

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Agricultural situation. Vol. 27, No. 11, November 1943. Price 5¢ a copy; 50¢ a year, domestic; 70¢ a year, foreign.¹

Agriculture decisions. Vol. 2, No. 10, October 1943. Price 15¢ a copy; \$1.50 a year.¹

Agriculture in the Americas. Vol. 4, No. 1, January 1944. Illus. Price 10¢ a copy, 75¢ a year, domestic; \$1.20 a year, foreign.¹

Bibliograph of agriculture. Vol. 3, No. 6, December 1943, with Index to Nos. 1-6, July-December 1943. Limited free distribution. 35¢ a copy; \$3.75 a year, domestic; 45¢ a copy; \$4.75 a year, foreign.¹

Consumers' guide. Vol. 10, No. 2, January 1944. Limited free distribution. 5¢ a copy, 50¢ a year, domestic; 70¢ foreign.¹

Experiment station record. Vol. 90, No. 1, January 1944. Price \$1 per volume (2 volumes a year) consisting of 6 monthly numbers and index; \$1.75 per volume, foreign. Single numbers for sale only. Price 15¢.¹

Extension service review. Vol. 14, No. 12, December 1943. Illus. Price 10¢ a copy; \$1.00 a year, domestic; \$1.40 a year, foreign.¹

Foreign agriculture. Vol. 7, No. 12, December 1943. Illus. Price 10¢ a copy; \$1.00 a year, domestic; \$1.60 a year, foreign.¹

Journal of agricultural research. Price \$3.25 a year, domestic; \$4.75 a year, foreign. Each issue, 15¢, domestic; 20¢, foreign. Separates, 5¢, domestic; 8¢ foreign.¹ Not distributed free to individuals.

Of primary interest to agricultural scientists and advanced students only. Issued in 2 volumes a year of 12 numbers each. Free distribution is limited to certain libraries and to institutions or departments doing research work.

Separates. A small supply of each separate is given to the originating bureau or station for its staff, cooperators, and for such other distribution as can be made. Other interested may purchase copies from the Superintendent of Documents, Washington, D. C., at 5¢ each. The Office of Information has none for general distribution.

— Vol. 67, No. 12. December 15, 1943. Illus. Contents:

The structure and growth of virgin beech-birch-maple-hemlock forests in northern Pennsylvania (Pa.-69). H. Arthur Meyer and Donald D. Stevenson.

Wearing tests on fabric blends of new and reclaimed fiber (S. Dak.-8). Helen M. Ward and Barbara Bailey.

Determining net rainfall under a conifer forest (F-99). H. G. Wilm.

Land policy review. Vol. VI, No. 4. Winter 1943. Price 10¢ a copy; 30¢ a year, domestic; 45¢ a year, foreign.¹

¹ Payable to the Superintendent of Documents, Government Printing Office, Washington D. C.

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News for farmer cooperatives. Vol. 10, No. 9, December 1943. Price 10¢ a copy; \$1.00 a year, domestic.¹

Rural electrification news. Vol. 9, No. 4, November 1943. Price 10¢ a copy, 75¢ a year, domestic; \$1.50 a year, foreign.²

THE 1944 VICTORY GARDEN PROGRAM is almost ready to be put into effect. Victory Garden information, much of it prepared especially for the campaign, will shortly be made available. The following circulars and bulletins are now available and give valuable information to the Victory Gardener:

Victory Gardens. (M. P. 483M.) 1942.

The Farm Garden. (F. B. 1673F.) 1931.

Disease-Resistant Varieties of Vegetables for the Home Garden. (Leaf. 203L.) 1940.

Hot Beds and Cold Frames. (F. B. 1743F.) 1935.

The Home Fruit Garden:

East Central and Middle Atlantic States. (Leaf. 218L.)

Southeastern and Central Southern States. (Leaf. 219L.)

Central Southwestern States. (Leaf. 221L.)

Northern Great Plains, Northern Mountain and Intermountain States. (Leaf. 222L.)

Pacific Coast States and Arizona. (Leaf. 224L.)

LISTEN TO NATIONAL FARM AND HOME HOUR

Monday through Friday over stations associated with the BLUE Network.

12:30 p. m. Eastern War Time.

11:30 a. m. Central War Time.

10:30 a. m. Mountain War Time.

6:15 a. m. Pacific War Time.

(In California, Oregon, and Washington the early morning broadcasts are the programs presented the previous day in other parts of the country.) The National Farm and Home Hour is available to all BLUE Network stations.

LISTEN TO CONSUMER TIME

Saturday over stations associated with the NATIONAL BROADCASTING COMPANY.

12:15 p. m. Eastern War Time.

11:15 a. m. Central War Time.

10:15 a. m. Mountain War Time.

9:15 a. m. Pacific War Time.

Consumer Time is available to all NBC stations. Consult radio schedule in your newspaper for stations carrying the program.

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² May be obtained from Farm Credit Administration, Kansas City, Mo.